



The Industry's Largest Selection of Ready-to-Ship

Antennas

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Broad Selection of Ready-to-Ship Antennas

Pasternack offers a large and diverse selection of antennas for many applications covering frequencies from 40 MHz to 200 GHz.

The product range includes a comprehensive selection of waveguide antennas: standard gain horns, conical horns, scalar feed horns, lens horns, and omni-directional with waveguide flanges. These can be mounted directly to waveguides, or may be combined with a wide selection of waveguide-to-coax adapters when coaxial cable connections are preferred. Applications include R&D, Manufacturing, Test & Measurement, and Defense/Aerospace.

For wireless applications, the products include indoor, outdoor, vehicular and portable radio antennas. The wireless offerings include both omni directional and directional antennas with a selection of gains and beam widths. These products may be deployed in a number of applications including Land Mobile Radio, Public Safety, RFID, GPS, WLAN, LPWAN/IoT, and Cellular. Necessary mounting hardware is included with every antenna. Outdoor antennas are weatherproof and operate over a wide temperature range. Models with Radome housings use UV-resistant plastic.

All antenna models can be viewed online at www.pasternack.com with real-time pricing, inventory, and comprehensive datasheets that include typical performance graphs and detailed CAD drawings. Applications engineers are standing by to answer any of your technical questions and can assist with selecting the right product for your specific application.

Antennas









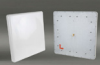



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Directional Antennas


Panel Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51054 	800 - 960 1,710 - 2,170	1.4:1	7 dBi	Vertical
PE51FP1006 	824 - 960	1.8:1	9 dBi	Vertical or Horizontal
PE51025 	902 - 928	1.2:1	9 dBi	LHCP
PE51024 	902 - 928	1.2:1	9 dBi	RHCP
PE51023 	902 - 928	1.8:1	9 dBi	Vertical
PE51FP1005 	902 - 928	1.5:1	8 dBi	Vertical or Horizontal
PE51FP1007 	902 - 928		8 dBi	LHCP
PE51FP1008 	902 - 928		8 dBi	RHCP
PE51019-2 	2,300 - 2,500	1.6:1	9 dBi	Vertical or Horizontal
PE51019-4 	2,300 - 2,500	1.6:1	9 dBi	Vertical or Horizontal
PE51049 	2,400 - 2,500	1.7:1	19 dBi	Vertical/Horizontal
PE51FP1003 	2,400 - 2,500 4,900 - 5,850	2:1	11 dBi	Vertical/Horizontal
PE51FP1004 	2,400 - 2,500 4,900 - 5,850	2:1	14 dBi	Vertical/Horizontal
PE51FP1002 	2,400 - 2,500 4,900 - 5,850	2:1	dBi	Vertical/Horizontal
PE51FP1001 	2,400 - 2,500 4,900 - 5,850		dBi	Vertical/Horizontal








Panel Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51FP1010 	4,900 - 5,850	1.5:1	dBi	Vertical or Horizontal
PE51FP1011 	4,900 - 5,850	1.8:1	19 dBi	Vertical or Horizontal
PE51050 	5,725 - 5,850	1.5:1	19 dBi	Vertical/Horizontal
PE51052 	5,725 - 5,850	1.5:1	22 dBi	Vertical/Horizontal








Fixed Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51129 	4,400 - 6,400	1.5:1	9 dBi	Vertical







Yagi Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51YA1007 	824 - 960	1.5:1	3 dBi	Vertical or Horizontal
PE51YA1008 	824 - 960	1.5:1	6 dBi	Vertical or Horizontal
PE51YA1009 	824 - 960	1.5:1	9 dBi	Vertical or Horizontal
PE51YA1010 	824 - 960	1.5:1	12 dBi	Vertical or Horizontal
PE51YA1011 	824 - 960	1.5:1	14 dBi	Vertical or Horizontal
PE51171 	890 - 960	2.1:1	11 dBi	Vertical or Horizontal
PE51YA1012 	890 - 960	1.5:1	9 dBi	Vertical or Horizontal



Yagi Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51YA1013 	890 - 960	1.5:1	13 dBi	Vertical or Horizontal
PE51YA1014 	900 - 928	1.5:1	14 dBi	Vertical or Horizontal
PE51YA1004 	2,400 - 2,483	1.5:1	12 dBi	Vertical
PE51YA1001 	2,400 - 2,500	1.5:1	9 dBi	Vertical or Horizontal
PE51YA1002 	2,400 - 2,500	1.5:1	12 dBi	Vertical or Horizontal
PE51YA1003 	2,400 - 2,500	1.5:1	15 dBi	Vertical or Horizontal
PE51YA1006 	4,900 - 5,850	1.5:1	17 dBi	Vertical or Horizontal
PE51YA1005	5,725 - 5,825	1.5:1	17 dBi	Vertical











Dish Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51PD1004 	2,400 - 2,500	1.5:1	18 dBi	H/V or 45 Deg. Slant
PE51PD1005 	2,400 - 2,500	1.5:1	22 dBi	H/V or 45 Deg. Slant
PE51PD1006 	2,400 - 2,500	1.5:1	25 dBi	H/V or 45 Deg. Slant
PE51PD1002 	4,750 - 5,850 5,400 - 5,800	1.5:1		H/V or 45 Deg. Slant
PE51PD1003 	4,750 - 5,850 5,400 - 5,800	1.5:1		H/V or 45 Deg. Slant
PE51PD1001 	4,750 - 5,850	1.5:1	25 dBi	H/V or 45 Deg. Slant

Log Antennas










PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51LP1001 	698 - 960 1,710 - 2,500	1.6:1	10 dBi	Vertical or Horizontal
PE51LP1002 	2,400 - 6,500	1.5:1	8 dBi	Vertical

Sector Antennas




PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51SE1006 	698 - 960 1,710 - 2,700	1.6:1	14 dBi	Vertical
PE51SE1004 	698 - 960 1,710 - 2,700	1.9:1	10 dBi	45 Deg. Slant
PE51SE1005 	698 - 960 1,710 - 2,700		12 dBi	Vertical
PE51SE1003 	900 - 930	2:1	13 dBi	Horizontal
PE51FP1009 	902 - 928	1.5:1	13 dBi	Vertical/Horizontal
PE51SE1009 	2,400 - 2,500	1.3:1	20 dBi	Vertical
PE51SE1001 	2,400 - 2,500	1.5:1	14 dBi	Vertical or Horizontal
PE51SE1002 	2,400 - 2,500 4,900 - 5,850		13	Vertical/Horizontal
PE51SE1007 	2,400 - 2,500 5,725 - 5,875	1.5:1	5 dBi	Vertical or Horizontal
PE51SE1008 	4,900 - 5,850	1.7:1	16 dBi	Vertical or Horizontal

Omni Directional Antennas











Dome Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51158 	698 - 960 1,710 - 2,700	1.7:1	5 dBi	Vertical
PE51168 	698 - 960 1,710 - 2,170	1.8:1	6 dBi	Vertical
PE51098-1 	800 - 960 1,710 - 2,500	1.4:1	5 dBi	Vertical
PE51098-2 	800 - 960 1,710 - 2,500	1.4:1	5 dBi	Vertical
PE51098-3 	800 - 960 1,710 - 2,500	1.4:1	5 dBi	Vertical
PE51098-4 	800 - 960 1,710 - 2,500	1.4:1	5 dBi	Vertical
PE51057 	800 - 3,000	2:1	3 dBi	Vertical
PE51059 	800 - 3,000	2:1	3 dBi	Vertical
PE51058 	800 - 3,000	2:1	8 dBi	Vertical
PE51096 	806 - 960 1,710 - 2,500	1.5:1	3 dBi	Vertical


Fixed Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51028 	902 - 928	2:1	5 dBi	Vertical
PE51062 	2,250 - 2,350	1.43:1	3 dB	Vertical
PE51063 	2,350 - 2,450	1.3:1	3 dBi	Vertical







Fixed Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51030 	2,400 - 2,483	1.5:1	1 dBi	Vertical
PE51061 	2,400 - 2,500	2:1	8 dBi	Vertical
PE51172 	2,400 - 2,500	2.1:1	8 dBi	Vertical
PE51064 	2,450 - 2,550	1.43:1	3 dB	Vertical
PE51033 	3,400 - 3,600	1.5:1	9 dBi	Vertical
PE51034 	3,400 - 3,600	1.5:1	11 dBi	Vertical
PE51065 	3,450 - 3,550	1.4:1	3 dBi	Vertical
PE51036 	5,470 - 5,725	1.5:1	1 dBi	Vertical
PE51037 	5,470 - 5,725	1.5:1	12 dBi	Vertical
PE51040 	5,725 - 5,850	1.5:1	12 dBi	Vertical








GPS Active Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51067 	1,570 - 1,580	1.3:1	32 dBiC	RHCP













GPS Passive Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51068 	1,220 - 1,230 1,530 - 1,580		6 dBic	RHCP
PE51066-1 	1,572.42 - 1,578.42	1.5:1	3 dBi	RHCP
PE51066-2 	1,572.42 - 1,578.42	1.5:1	3 dBi	RHCP
PE51TM1000 	1,574 - 1,610		32 dBi	
PE51TM1001 	1,574 - 1,610		32 dBi	
PE51GPS1004 	1,575 - 1,615		3 dB	



Mobile Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51000 	40 - 47	1.5:1	dBi	Vertical
PE51001 	118 - 940		dBi	Vertical
PE51003 	132 - 512	2:1	dBi	Vertical
PE51170 	440 - 480	2:1	5 dBi	Vertical
PE51060 	474.5 - 479.5	1.5:1	6 dBi	Vertical
PE51013 	806 - 950 1,850 - 1,900	2:1	3 dBi	Vertical
PE51014 	824 - 896 1,850 - 1,990	1.5:1	2 dBi	Vertical
PE51009 	825 - 896	1.5:1	5 dB	Vertical

















Mobile Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51010 	870 - 950	1.5:1	5 dBi	Vertical
PE51113-1 	880 - 965 1,710 - 2,170	2:1	3 dBi	Vertical
PE51113-2 	880 - 965 1,710 - 2,170	2:1	3 dBi	Vertical
PE51113-3 	880 - 965 1,710 - 2,170	2:1	3 dBi	Vertical
PE51113-4 	880 - 965 1,710 - 2,170	2:1	3 dBi	Vertical
PE51MO1001 	900 - 960 2,400 - 2,500	1.5:1	3 dBi	Vertical
PE51MO1002 	900 - 960 2,400 - 2,500	1.5:1	3 dBi	Vertical
PE51027 	902 - 928	2:1	4 dBi	Vertical
PE51OM1022 	2,400 - 2,500 900 - 960		3 dBi	Vertical
PE51MO1003 	2,400 - 2,500	1.5:1	3 dBi	Vertical
PE51OM1023 	2,400 - 2,500	1.5:1	3 dBi	Vertical
PE51136 	2,400 - 2,500		3 dB	Vertical

















Portable Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51TW1000 	118 - 174		dBi	Vertical
PE51145 	400 - 420	2:1	2 dBi	Vertical

Portable Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51146 	400 - 420	2:1	dBi	Vertical
PE51159 	420 - 450	2:1	dBi	Vertical
PE51160 	420 - 450	2:1	dBi	Vertical
PE51148 	450 - 470	2:1	dBi	Vertical
PE51149 	450 - 470	2:1	dBi	Vertical
PE51161 	470 - 512	2:1	dBi	Vertical
PE51162 	470 - 512	2:1	dBi	Vertical
PE51147 	482 - 512	1.5:1	dBi	Vertical
PE51153 	698 - 780	2:1	dBi	Vertical
PE51157 	698 - 780	2:1	dBi	Vertical
PE51152 	698 - 870	2:1	2 dBi	Vertical
PE51150 	698 - 870	2.2:1	2 dBi	Vertical
PE51154 	698 - 870	2.3:1	2 dBi	Vertical
PE51151 	698 - 870	2.5:1	2 dBi	Vertical
PE51163 	760 - 870	2:1	dBi	Vertical
PE51166 	760 - 870	2:1	dBi	Vertical













Portable Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51155 	806 - 880	2:1	dBi	Vertical
PE51156 	806 - 880	2:1	dBi	Vertical
PE51164 	880 - 960	2:1	dBi	Vertical
PE51165 	880 - 960	2:1	dBi	Vertical
PE51089-1 	890 - 960 1,710 - 1,880	2:1	3 dBi	Vertical
PE51089-2 	890 - 960 1,710 - 1,880	2:1	3 dBi	Vertical
PE51089-3 	890 - 960 1,710 - 1,880	2:1	3 dBi	Vertical
PE51089-4 	890 - 960 1,710 - 1,880	2:1	3 dBi	Vertical
PE51056 	900 - 960	1.5:1	dBi	Vertical
PE51055 	900 - 960	2.1:1	3 dBi	Vertical
PE51026 	902 - 928	2:1	3 dBi	Vertical
PE51119 	1,700 - 1,850	2:1	4 dBi	Vertical
PE51120 	1,700 - 1,850	2:1	4 dBi	Vertical
PE51117A 	1,700 - 2,500	2:1	2 dBi	Vertical
PE51173 	1,700 - 2,500	2:1	2 dBi	Vertical
PE51121 	1,900 - 2,500	2:1	4 dBi	Vertical



Portable Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51122 	1,900 - 2,500	2:1	4 dBi	Vertical
PE51123 	2,200 - 2,500	2:1	6 dBi	Vertical
PE51124 	2,200 - 2,500	2:1	6 dBi	Vertical
PE51090 	2,300 - 2,700	2:1	7 dBi	Vertical
PE51018 	2,400 - 2,483.5	1.5:1	2 dBi	Vertical
PE51133 	2,400 - 2,500	1.43:1	3 dBi	Vertical
PE51077 	2,400 - 2,500	2:1	2 dBi	Vertical/Horizontal
PE51076 	2,400 - 2,500	2:1	3 dBi	Vertical
PE51078 	2,400 - 2,500	2:1	6 dBi	Vertical
PE51087 	2,400 - 2,500 4,900 - 5,800	2:1	3 dBi	Vertical
PE51088 	2,400 - 2,500 4,900 - 5,100	2.5:1	2 dBi	Vertical
PE51080 	2,400 - 2,500 4,900 - 5,825	2:1	2 dBi	Vertical
PE51082 	2,400 - 2,500 4,900 - 5,825	2:1	2 dBi	Vertical
PE51083 	2,400 - 2,500 4,900 - 5,825	2:1	2 dBi	Vertical
PE51081 	2,400 - 2,500 4,900 - 5,825		3 dBi	Vertical
PE51072 	3,300 - 3,800	2:1	2 dBi	Vertical





Portable Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51084 	3,300 - 3,800	2:1	2 dBi	Vertical
PE51085 	3,400 - 3,800	2:1	5 dBi	Vertical
PE51135A 	4,400 - 5,000	2:1	6 dBi	Vertical
PE51134 	4,400 - 5,000	2:1	6 dBi	Vertical
PE51070 	5,100 - 5,900	2:1	5 dBi	Vertical
PE51125A 	5,250 - 5,850	2:1	4 dBi	Vertical
PE51126 	5,250 - 5,850	2:1	4 dBi	Vertical
PE51127 	5,250 - 5,850	2:1	6 dBi	Vertical
PE51128 	5,250 - 5,850	2:1	6 dBi	Vertical
PE51142 	2,400 - 2,500 5,000 - 5,900	2:1	4 dBi	
PE51143 	2,400 - 2,500 5,000 - 5,900	2:1	4 dBi	
PE51144 	2,400 - 2,500 5,000 - 5,900	2:1	4 dBi	











Rubber Duck Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51RD1007 	2,400 - 2,500	2:1	6 dBi	Vertical
PE51RD1002 	2,400 - 2,500 4,900 - 5,350 5,725 - 5,850	2:1	3 dBi	Vertical




Rubber Duck Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51RD1004 	2,400 - 2,500 4,900 - 5,350 5,725 - 5,850	2:1	3 dBi	Vertical
PE51RD1003 	2,400 - 2,500 4,900 - 5,350 5,725 - 5,850	2:1	3 dBi	Vertical
PE51RD1006 	2,400 - 2,500 5,150 - 5,850	2:1	5 dBi	Vertical
PE51RD1005 	2,400 - 2,483 5,100 - 5,900	2:1	3 dBi	Vertical











Vehicular Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51MP1000 	108 - 520	2:1	2 dBi	Linear, Vertical
PE51MP1001 	132 - 174	1.5:1	3 dB	Linear, Vertical
PE51MP1002 	132 - 174	2:1	2 dBi	Linear, Vertical
PE51MP1004 	144 - 174	1.5:1	3 dB	Linear, Vertical
PE51MP1003 	144 - 174	2:1	2 dBi	Linear, Vertical
PE51MP1009 	144 - 174	2:1	2 dBi	Linear, Vertical
PE51MP1005 	380 - 520	2:1	2 dBi	Linear, Vertical
PE51MP1006 	420 - 470	1.5:1	3 dB	Linear, Vertical
PE51MP1007 	420 - 470	1.5:1	5 dB	Linear, Vertical
PE51MP1008 	440 - 480	2:1	3 dBd	Linear, Vertical















Vehicular Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51MP1011 	450 - 520 746 - 960	2:1	2 dBi	Linear, Vertical
PE51MP1010 	698 - 960 1,710 - 2,150	2:1	3 dBi	Linear, Vertical
PE51GM1001 	824 - 960 1,710 - 1,990	2:1	2 dBi	Vertical





Omni Antennas

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51OM1020 	698 - 960 1,710 - 2,700	1.6:1	4 dBi	Vertical
PE51OM1021 	824 - 928 900 - 928	1.7:1	9 dBi	Vertical/Horizontal
PE51OM1013 	824 - 960		3 dBi	Vertical
PE51OM1014 	824 - 960		6 dBi	Vertical
PE51OM1015 	900 - 928	1.5:1	6 dBi	Vertical
PE51OM1016 	900 - 928	1.5:1	8 dBi	Vertical
PE51OM1019 	900 - 928	1.6:1	8 dBi	Vertical
PE51OM1017 	900 - 928		3 dBi	Vertical
PE51OM1018 	900 - 928		6 dBi	Vertical
PE51OM1025 	2,400 - 2,500	2:1	7 dBi	Vertical






Omni Antennas Continued

PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
PE51OM1026 	2,400 - 2,500	2:1	8 dBi	Vertical
PE51OM1024 	2,400 - 2,500	1.5:1	4 dBi	Vertical
PE51OM1009 	2,400 - 2,500 5,100 - 5,800	1.6:1	6 dBi	Vertical/Horizontal
PE51OM1007 	2,400 - 2,500 5,100 - 5,800	1.6:1	6 dBi	Vertical/Horizontal
PE51OM1008 	2,400 - 2,500 5,100 - 5,800	1.6:1	6 dBi	Vertical/Horizontal
PE51OM1010 	2,400 - 2,500 5,100 - 5,800	1.6:1	dBi	Vertical/Horizontal
PE51OM1011 	2,400 - 2,500 5,100 - 5,800		dBi	Vertical/Horizontal
PE51OM1001 	2,400 - 2,500 4,900 - 5,850	2:1	dBi	Vertical
PE51OM1004 	2,400 - 2,500 5,725 - 5,850	1.5:1	6 dBi	Vertical
PE51OM1005 	2,400 - 2,500 5,725 - 5,850	1.6:1	9 dBi	Vertical
PE51OM1012 	2,400 - 2,500 4,900 - 5,850	1.8:1	4 dBi	Vertical
PE51OM1002 	2,400 - 2,500 4,900 - 5,850	2.5:1	dBi	Vertical
PE51OM1003 	2,400 - 2,500 4,900 - 5,850	2.5:1	dBi	Vertical
PE51OM1006 	2,400 - 2,500 5,100 - 5,900		6 dBi	Vertical/Horizontal

Duplexed Antenna Kits












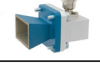



PE P/N	RF Frequency Range (MHz)	VSWR	Contains
PE51AK1000 	100 - 180 380 - 520	1.6:1	Duplexer (VHF/UHF 108-174 MHz/380-870 MHz), with integral N-type (m) Connectors (3 ea.); Low Loss 195 NMO mount with cable (1 ea.); RG-58/U NMO mount with cable (1 ea.); Field Tunable Antennas (2 ea.)/RG-58/U Feed Cable (1 ea.)
PE51AK1001 	100 - 180 380 - 520	1.6:1	Duplexer (VHF/UHF 108-174MHz/380-870MHz) with integral N-Type (m) Connectors (3 ea.); Low Loss PE51GPS1000 NMO Combination mount with integrated GPS antenna (1 ea.); RG-58/U NMO mount (1 ea.); Field Tunable Antennas (2 ea.); RG-58/U Feed Cable (1 ea.); HG-GPSNMO58-SMA NMO Combination mount with integrated GPS antenna
PE51AK1002 	100 - 180 380 - 520	1.6:1	Duplexer (VHF/UHF 108-174MHz/450-520MHz/746-870MHz) with integral N-Type (m) Connectors (3 ea.); Low Loss PE51GPS1000 NMO Combination mount with integrated GPS antenna (1 ea.); RG-58/U NMO mount (1 ea.); PE51MP1011 multiband antenna (1 ea.); PE51MP1000 tunable VHF/UHF antenna (1 ea.)/RG-58/U Feed Cable (1 ea.)
PE51AK1003 	100 - 180 380 - 520	1.6:1	Duplexer (VHF/UHF 108-174MHz/450-520MHz/746-870MHz) with integral N-type (m) Connectors (3 ea.); Low loss 195 NMO mount (1 ea.); RG-58/U NMO mount (1 ea.); PE51MP1011 multiband antenna (1 ea.); PE51MP1000 tunable VHF/UHF antenna (1 ea.); RG-58/U Feed Cable (1 ea.)

Antenna Mounts








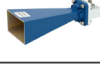







PE P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Description
PE51AK1004 	0 - 0	1.2:1		Ground Plane Converter Kit, NMO to N Female for pole mounting
PE51GPS1000 	0 - 0	2:1	3 dB	NMO Mount Combo 30 dB GPS Vehicular Antenna NMO Mount/SMA Connectors RG58 cable
PE51GPS1001 	0 - 0	2:1	3 dB	NMO Mount Combo 30 dB GPS Vehicular Antenna NMO Mount/SMA Connectors LL195 cable
PE51GPS1002 	1,575 - 1,615	2:1	28 dB	NMO Mount Combo 28 dB GPS/GLNSS Vehicular Antenna NMO Mount/SMA Connectors RG58 cable
PE51GPS1003 	1,575 - 1,615	2:1	28 dB	NMO Mount Combo 28 dB GPS/GLNSS Vehicular Antenna NMO Mount/SMA Connectors LL195 cable

Waveguide Antennas
















Waveguide Antennas with Coax Adapters

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector	ECCN
PE9850/2F-10 	WR-28	26.5 - 40	10	WR-28	2.92mm Female	EAR99
PE9850/2F-15 	WR-28	26.5 - 40	15	WR-28	2.92mm Female	EAR99
PE9850/2F-20 	WR-28	26.5 - 40	20	WR-28	2.92mm Female	EAR99
PE9851/2F-10 	WR-34	22 - 33	10	WR-34	2.92mm Female	EAR99
PE9851/2F-15 	WR-34	22 - 33	15	WR-34	2.92mm Female	EAR99
PE9851/2F-20 	WR-34	22 - 33	20	WR-34	2.92mm Female	EAR99
PE9852/2F-10 	WR-42	18 - 26.5	10	WR-42	2.92mm Female	EAR99
PE9852/2F-15 	WR-42	18 - 26.5	15	WR-42	2.92mm Female	EAR99
PE9852/2F-20 	WR-42	18 - 26.5	20	WR-42	2.92mm Female	EAR99
PE9853/SF-10 	WR-51	15 - 22	10	WR-51	SMA Female	EAR99
PE9853/SF-15 	WR-51	15 - 22	15	WR-51	SMA Female	EAR99
PE9853/SF-20 	WR-51	15 - 22	20	WR-51	SMA Female	EAR99
PE9854/NF-10 	WR-62	12.4 - 18	10	WR-62	N Female	EAR99
PE9854/NF-15 	WR-62	12.4 - 18	15	WR-62	N Female	EAR99
PE9854/NF-20 	WR-62	12.4 - 18	20	WR-62	N Female	EAR99
















Waveguide Antennas with Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector	ECCN
PE9854/SF-10 	WR-62	12.4 - 18	10	WR-62	SMA Female	EAR99
PE9854/SF-15 	WR-62	12.4 - 18	15	WR-62	SMA Female	EAR99
PE9854/SF-20 	WR-62	12.4 - 18	20	WR-62	SMA Female	EAR99
PE9855/NF-10 	WR-75	10 - 15	10	WR-75	N Female	EAR99
PE9855/NF-15 	WR-75	10 - 15	15	WR-75	N Female	EAR99
PE9855/NF-20 	WR-75	10 - 15	20	WR-75	N Female	EAR99
PE9855/SF-10 	WR-75	10 - 15	10	WR-75	SMA Female	EAR99
PE9855/SF-15 	WR-75	10 - 15	15	WR-75	SMA Female	EAR99
PE9855/SF-20 	WR-75	10 - 15	20	WR-75	SMA Female	EAR99
PE9856/NF-10 	WR-90	8.2 - 12.4	10	WR-90	N Female	EAR99
PE9856/NF-15 	WR-90	8.2 - 12.4	15	WR-90	N Female	EAR99
PE9856/NF-20 	WR-90	8.2 - 12.4	20	WR-90	N Female	EAR99
PE9856/SF-10 	WR-90	8.2 - 12.4	10	WR-90	SMA Female	EAR99
PE9856/SF-15 	WR-90	8.2 - 12.4	15	WR-90	SMA Female	EAR99
PE9856/SF-20 	WR-90	8.2 - 12.4	20	WR-90	SMA Female	EAR99















Waveguide Antennas with Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector	ECCN
PE9857/NF-10 	WR-102	7 - 11	10	WR-102	N Female	EAR99
PE9857/NF-15 	WR-102	7 - 11	15	WR-102	N Female	EAR99
PE9857/NF-20 	WR-102	7 - 11	20	WR-102	N Female	EAR99
PE9857/SF-10 	WR-102	7 - 11	10	WR-102	SMA Female	EAR99
PE9857/SF-15 	WR-102	7 - 11	15	WR-102	SMA Female	EAR99
PE9857/SF-20 	WR-102	7 - 11	20	WR-102	SMA Female	EAR99
PE9858/NF-10 	WR-112	7.05 - 10	10	WR-112	N Female	EAR99
PE9858/NF-15 	WR-112	7.05 - 10	15	WR-112	N Female	EAR99
PE9858/NF-20 	WR-112	7.05 - 10	20	WR-112	N Female	EAR99
PE9858/SF-10 	WR-112	7.05 - 10	10	WR-112	SMA Female	EAR99
PE9858/SF-15 	WR-112	7.05 - 10	15	WR-112	SMA Female	EAR99
PE9858/SF-20 	WR-112	7.05 - 10	20	WR-112	SMA Female	EAR99
PE9859/NF-10 	WR-137	5.85 - 8.2	10	WR-137	N Female	EAR99
PE9859/NF-15 	WR-137	5.85 - 8.2	15	WR-137	N Female	EAR99
PE9859/NF-20 	WR-137	5.85 - 8.2	20	WR-137	N Female	EAR99

















Waveguide Antennas with Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector	ECCN
PE9859/SF-10 	WR-137	5.85 - 8.2	10	WR-137	SMA Female	EAR99
PE9859/SF-15 	WR-137	5.85 - 8.2	15	WR-137	SMA Female	EAR99
PE9859/SF-20 	WR-137	5.85 - 8.2	20	WR-137	SMA Female	EAR99
PE9860/NF-10 	WR-159	4.9 - 7.05	10	WR-159	N Female	EAR99
PE9860/NF-15 	WR-159	4.9 - 7.05	15	WR-159	N Female	EAR99
PE9860/NF-20 	WR-159	4.9 - 7.05	20	WR-159	N Female	EAR99
PE9860/SF-10 	WR-159	4.9 - 7.05	10	WR-159	SMA Female	EAR99
PE9860/SF-15 	WR-159	4.9 - 7.05	15	WR-159	SMA Female	EAR99
PE9860/SF-20 	WR-159	4.9 - 7.05	20	WR-159	SMA Female	EAR99
PE9861/NF-10 	WR-187	3.95 - 5.85	10	WR-187	N Female	EAR99
PE9861/NF-15 	WR-187	3.95 - 5.85	15	WR-187	N Female	EAR99
PE9861/NF-20 	WR-187	3.95 - 5.85	20	WR-187	N Female	EAR99
PE9861/SF-10 	WR-187	3.95 - 5.85	10	WR-187	SMA Female	EAR99
PE9861/SF-15 	WR-187	3.95 - 5.85	15	WR-187	SMA Female	EAR99
PE9861/SF-20 	WR-187	3.95 - 5.85	20	WR-187	SMA Female	EAR99

Waveguide Antennas with Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector	ECCN
PE9862/NF-15 	WR-229	3.3 - 4.9	15	WR-229	N Female	EAR99
PE9862/NF-20 	WR-229	3.3 - 4.9	20	WR-229	N Female	EAR99
PE9862/SF-15 	WR-229	3.3 - 4.9	15	WR-229	SMA Female	EAR99
PE9862/SF-20 	WR-229	3.3 - 4.9	20	WR-229	SMA Female	EAR99
PE9863/NF-10 	WR-284	2.6 - 3.95	10	WR-284	N Female	EAR99
PE9863/NF-20 	WR-284	2.6 - 3.95	20	WR-284	N Female	EAR99
PE9863/SF-10 	WR-284	2.6 - 3.95	10	WR-284	SMA Female	EAR99
PE9863/SF-20 	WR-284	2.6 - 3.95	20	WR-284	SMA Female	EAR99
PE9864/NF-10 	WR-430	1.7 - 2.6	10	WR-430	N Female	EAR99
PE9864/NF-15 	WR-430	1.7 - 2.6	15	WR-430	N Female	EAR99
PE9864/NF-20 	WR-430	1.7 - 2.6	20	WR-430	N Female	EAR99
PE9864/SF-10 	WR-430	1.7 - 2.6	10	WR-430	SMA Female	EAR99
PE9864/SF-15 	WR-430	1.7 - 2.6	15	WR-430	SMA Female	EAR99
PE9864/SF-20 	WR-430	1.7 - 2.6	20	WR-430	SMA Female	EAR99

















Standard Gain Horns

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1029 	WR-5	140 - 220	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1030 	WR-5	140 - 220	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1031 	WR-5	140 - 220	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1032 	WR-5	140 - 220	25	Round Cover UG-387/U-Mod	EAR99
PEWAN1025 	WR-6	110 - 170	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1026 	WR-6	110 - 170	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1027 	WR-6	110 - 170	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1028 	WR-6	110 - 170	25	Round Cover UG-387/U-Mod	EAR99
PEWAN1021 	WR-8	90 - 140	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1022 	WR-8	90 - 140	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1023 	WR-8	90 - 140	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1024 	WR-8	90 - 140	25	Round Cover UG-387/U-Mod	EAR99
PEWAN1017 	WR-10	75 - 110	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1018 	WR-10	75 - 110	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1019 	WR-10	75 - 110	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1020 	WR-10	75 - 110	25	Round Cover UG-387/U-Mod	EAR99





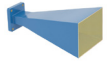




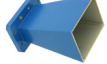




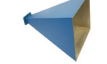

Standard Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1013 	WR-12	60 - 90	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1014 	WR-12	60 - 90	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1015 	WR-12	60 - 90	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1016 	WR-12	60 - 90	25	Round Cover UG-387/U	EAR99
PEWAN1009 	WR-15	50 - 75	10	Round Cover UG-385/U-Mod	EAR99
PEWAN1010 	WR-15	50 - 75	15	Round Cover UG-385/U-Mod	EAR99
PEWAN1011 	WR-15	50 - 75	20	Round Cover UG-385/U-Mod	EAR99
PE9881-24 	WR-15	50 - 75	24	Round Cover UG-385/U	5A991
PEWAN1012 	WR-15	50 - 75	25	Round Cover UG-385/U-Mod	EAR99
PEWAN1005 	WR-19	40 - 60	10	Round Cover UG-383/U-Mod	EAR99
PEWAN1006 	WR-19	40 - 60	15	Round Cover UG-383/U-Mod	EAR99
PEWAN1007 	WR-19	40 - 60	20	Round Cover UG-383/U-Mod	EAR99
PEWAN1008 	WR-19	40 - 60	25	Round Cover UG-383/U-Mod	EAR99
PE9850-10 	WR-28	26.5 - 40	10	Square Cover UG-599/U	EAR99
PE9850-15 	WR-28	26.5 - 40	15	Square Cover UG-599/U	EAR99
PE9850-20 	WR-28	26.5 - 40	20	Square Cover UG-599/U	EAR99












Standard Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PE9851-10 	WR-34	22 - 33	10	Square Cover UG-1530/U	EAR99
PE9851A-15 	WR-34	22 - 33	15	Square Cover UG-1530/U	EAR99
PE9851A-20 	WR-34	22 - 33	20	Square Cover UG-1530/U	EAR99
PE9852-10 	WR-42	18 - 26.5	10	Square Cover UG-597/U	EAR99
PE9852A-15 	WR-42	18 - 26.5	15	Square Cover UG-597/U	EAR99
PE9852-20 	WR-42	18 - 26.5	20	Square Cover UG-597/U	EAR99
PE9853-10 	WR-51	15 - 22	10	Square Cover	EAR99
PE9853-15 	WR-51	15 - 22	15	Square Cover	EAR99
PE9853-20 	WR-51	15 - 22	20	Square Cover	EAR99
PE9853A-20 	WR-51	15 - 22	20	Square Cover	EAR99
PE9854-10 	WR-62	12.4 - 18	10	Square Cover	EAR99
PE9854-15 	WR-62	12.4 - 18	15	Square Cover	EAR99
PE9854-20 	WR-62	12.4 - 18	20	Square Cover	EAR99
PE9855-10 	WR-75	10 - 15	10	Square Cover	EAR99
PE9855-15 	WR-75	10 - 15	15	Square Cover	EAR99
PE9855A-20 	WR-75	10 - 15	20	Square Cover	EAR99
















Standard Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PE9856-10 	WR-90	8.2 - 12.4	10	Square Cover UG-135/U	EAR99
PE9856-15 	WR-90	8.2 - 12.4	15	Square Cover UG-135/U	EAR99
PE9856-20 	WR-90	8.2 - 12.4	20	Square Cover UG-135/U	EAR99
PE9857-10 	WR-102	7 - 11	10	Square Cover	EAR99
PE9857-15 	WR-102	7 - 11	15	Square Cover	EAR99
PE9857-20 	WR-102	7 - 11	20	Square Cover	EAR99
PE9858-10 	WR-112	7.05 - 10	10	Square Cover	EAR99
PE9858-15 	WR-112	7.05 - 10	15	Square Cover	EAR99
PE9858A-20 	WR-112	7.05 - 10	20	Square Cover	EAR99
PE9859-10 	WR-137	5.85 - 8.2	10	CMR-137	EAR99
PE9859-15 	WR-137	5.85 - 8.2	15	CMR-137	EAR99
PE9859-20 	WR-137	5.85 - 8.2	20	CMR-137	EAR99
PE9860-10 	WR-159	4.9 - 7.05	10	CMR-159	EAR99
PE9860-15 	WR-159	4.9 - 7.05	15	Square Cover UG-1731/U	EAR99
PE9860-20 	WR-159	4.9 - 7.05	20	CMR-159	EAR99
PE9861-10 	WR-187	3.95 - 5.85	10	CMR-187	EAR99

















Standard Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PE9861-15 	WR-187	3.95 - 5.85	15	CMR-187	EAR99
PE9861-20 	WR-187	3.95 - 5.85	20	CMR-187	EAR99
PE-W229AN001 	WR-229	3.3 - 4.9	10	CMR-229	EAR99
PE9862-15 	WR-229	3.3 - 4.9	15	CMR-229	EAR99
PE9862-20 	WR-229	3.3 - 4.9	20	CMR-229	EAR99
PE9863-10 	WR-284	2.6 - 3.95	10	CMR-284	EAR99
PEWAN1001 	WR-284	2.6 - 3.95	15	CMR-284	EAR99
PE9863-20 	WR-284	2.6 - 3.95	20	CMR-284	EAR99
PE9864-10 	WR-430	1.7 - 2.6	10	CPR-430F	EAR99
PE9864-15 	WR-430	1.7 - 2.6	15	CPR-430F	EAR99
PE9864-20 	WR-430	1.7 - 2.6	20	CPR-430F	EAR99






Conical Gain Horns

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1065 	WR-5	140 - 220	10	Round Cover UG-387/U	EAR99
PEWAN1066 	WR-5	140 - 220	15	Round Cover UG-387/U	EAR99
PEWAN1067 	WR-5	140 - 220	20	Round Cover UG-387/U	EAR99
PEWAN1068 	WR-5	140 - 220	25	Round Cover UG-387/U	EAR99
PEWAN1061 	WR-6	100 - 112	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1062 	WR-6	100 - 112	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1063 	WR-6	100 - 112	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1064 	WR-6	100 - 112	25	Round Cover UG-387/U-Mod	EAR99
PEWAN1057 	WR-8	100 - 112	10	Round Cover UG-387/U-Mod	EAR99
PEWAN1058 	WR-8	100 - 112	15	Round Cover UG-387/U-Mod	EAR99
PEWAN1059 	WR-8	100 - 112	20	Round Cover UG-387/U-Mod	EAR99
PEWAN1060 	WR-8	100 - 112	25	Round Cover UG-387/U-Mod	EAR99
PEWAN1053 	WR-10	77 - 87	10	Round Cover UG-387/U	EAR99
PEWAN1054 	WR-10	77 - 87	15	Round Cover UG-387/U	EAR99
PEWAN1055 	WR-10	77 - 87	20	Round Cover UG-387/U	EAR99









Conical Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1056 	WR-10	77 - 87	25	Round Cover UG-387/U	EAR99
PEWAN1049 	WR-10	87 - 100	10	Round Cover UG-387/U	EAR99
PEWAN1050 	WR-10	87 - 100	15	Round Cover UG-387/U	EAR99
PEWAN1051 	WR-10	87 - 100	20	Round Cover UG-387/U	EAR99
PEWAN1052 	WR-10	87 - 100	25	Round Cover UG-387/U	EAR99
PEWAN1041 	WR-12	68 - 77	10	Round Cover UG-387/U	EAR99
PEWAN1042 	WR-12	68 - 77	15	Round Cover UG-387/U	EAR99
PEWAN1043 	WR-12	68 - 77	20	Round Cover UG-387/U	EAR99
PEWAN1044 	WR-12	68 - 77	25	Round Cover UG-387/U	EAR99
PEWAN1045 	WR-12	77 - 87	10	Round Cover UG-387/U	EAR99
PEWAN1046 	WR-12	77 - 87	15	Round Cover UG-387/U	EAR99
PEWAN1047 	WR-12	77 - 87	20	Round Cover UG-387/U	EAR99
PEWAN1048 	WR-12	77 - 87	25	Round Cover UG-387/U	EAR99
PEWAN1037 	WR-15	58 - 68	10	Round Cover UG-385/U	EAR99
PEWAN1038 	WR-15	58 - 68	15	Round Cover UG-385/U	EAR99
PEWAN1039 	WR-15	58 - 68	20	Round Cover UG-385/U	EAR99








Conical Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1040 	WR-15	58 - 68	25	Round Cover UG-385/U	EAR99
PEWAN1033 	WR-19	50 - 58	10	Round Cover UG-383/U-Mod	EAR99
PEWAN1034 	WR-19	50 - 58	15	Round Cover UG-383/U-Mod	EAR99
PEWAN1035 	WR-19	50 - 58	20	Round Cover UG-383/U-Mod	EAR99
PEWAN1036 	WR-19	50 - 58	25	Round Cover UG-383/U-Mod	EAR99








Wide Angle Scalar Feed Horns

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1110 		24 - 33	16	Square Cover UG-1530/U	EAR99
PEWAN1113 	WR-28	26 - 30	17	Square Cover UG-599/U	EAR99
PEWAN1114 		26 - 33	17	Square Cover UG-599/U	EAR99
PEWAN1115 		33 - 38.5	17	Square Cover UG-599/U	EAR99
PEWAN1069 	WR-15	55 - 65	10	Round Cover UG-385/U	EAR99
PEWAN1070 	WR-15	55 - 65	10	Round Cover UG-385/U	EAR99
PEWAN1118 		58 - 68	17	Round Cover UG-385/U-Mod	EAR99
PEWAN1120 		68 - 77	17	Round Cover UG-387/U-Mod	EAR99







Wide Angle Scalar Feed Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1071 	WR-12	72 - 82	10	Round Cover UG-385/U	EAR99
PEWAN1072 	WR-12	72 - 82	10	Round Cover UG-385/U	EAR99
PEWAN1122 		77 - 87	17	Round Cover UG-387/U-Mod	EAR99
PEWAN1123 		87 - 100	17	Round Cover UG-387/U-Mod	EAR99
PEWAN1073 	WR-10	89 - 99	10	Round Cover UG-385/U-Mod	EAR99
PEWAN1074 	WR-10	89 - 99	10	Round Cover UG-385/U-Mod	EAR99
PEWAN1109 		100 - 112	17	Round Cover UG-387/U-Mod	EAR99








Lens Gain Horns

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1083 	WR-10	89 - 99	34	Round Cover UG-387/U	EAR99
PEWAN1085 	WR-10	89 - 99	34	Round Cover UG-387/U	EAR99
PEWAN1084 	WR-10	89 - 99	40	Round Cover UG-387/U	EAR99
PEWAN1086 	WR-10	89 - 99	40	Round Cover UG-387/U	EAR99
PEWAN1079 	WR-12	72 - 82	32	Round Cover UG-387/U	EAR99
PEWAN1081 	WR-12	72 - 82	32	Round Cover UG-387/U	EAR99
PEWAN1080 	WR-12	72 - 82	37	Round Cover UG-387/U	EAR99










Lens Gain Horns Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1082 	WR-12	72 - 82	37	Round Cover UG-387/U	EAR99
PEWAN1075 	WR-15	55 - 65	32	Round Cover UG-385/U	EAR99
PEWAN1077 	WR-15	55 - 65	32	Round Cover UG-385/U	EAR99
PEWAN1076 	WR-15	55 - 65	37	Round Cover UG-385/U	EAR99
PEWAN1078 	WR-15	55 - 65	37	Round Cover UG-385/U	EAR99
PEWAN1102 		88 - 100	48	Square Cover UG-387/U-Mod	EAR99



Omni Directional

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1089 	WR-10	89 - 99	2	Round Cover UG-387/U	EAR99
PEWAN1135 	WR-10	90 - 100	0	Round Cover UG-387/U-Mod	EAR99
PEWAN1136 	WR-10	90 - 100	6.5	Square Cover UG-387/U-Mod	EAR99
PEWAN1134 	WR-12	71 - 86	2	Round Cover UG-387/U	EAR99
PEWAN1088 	WR-12	75 - 79	2	Round Cover UG-387/U	EAR99
PEWAN1087 	WR-15	58 - 62	3.5	Round Cover UG-385/U	EAR99
PEWAN1133 	WR-28	26.5 - 40	7.5	Square Cover UG-599/U	EAR99












Probe Waveguide Antennas

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1124 	WR-6	110 - 170	6.5	Round Cover UG-387/U-Mod	EAR99
PEWAN1125 	WR-8	90 - 140	6.5	Round Cover UG-387/U-Mod	EAR99
PEWAN1126 	WR-10	75 - 110	6.5	Round Cover UG-387/U-Mod	EAR99
PEWAN1127 	WR-12	60 - 90	6.5	Round Cover UG-387/U	EAR99
PEWAN1128 	WR-15	50 - 75	6.5	Round Cover UG-385/U	EAR99
PEWAN1129 	WR-19	40 - 60	6.5	Round Cover UG-383/U-Mod	EAR99
PEWAN1130 	WR-22	33 - 50	6.5	Round Cover UG-383/U	EAR99
PEWAN1131 	WR-28	26.5 - 40	6.5	Square Cover UG-599/U	EAR99
PEWAN1132 	WR-34	22 - 33	6.5	Square Cover UG-1530/U	EAR99

Sector Waveguide Antennas

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1143 	WR-28	27.5 - 29.5	6	Square Cover UG-599/U	EAR99
PEWAN1144 	WR-28	30 - 40	0	Square Cover UG-599/U-Mod	EAR99

Dual Polarized Waveguide Antennas

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	ECCN
PEWAN1121 	WR-10	75 - 110	13	UG-387/U-Mod	EAR99
PEWAN1137 	WR-10	75 - 110	15	Square Cover UG-387/U-Mod	EAR99
PEWAN1141 	WR-10	75 - 110	20	Square Cover UG-387/U-Mod	EAR99
PEWAN1139 	WR-12	50 - 75	15	Square Cover UG-385/U	EAR99
PEWAN1119 	WR-12	60 - 90	13	UG-387/U	EAR99
PEWAN1138 	WR-12	60 - 90	15	Square Cover UG-387/U	EAR99
PEWAN1117 	WR-15	50 - 75	13	UG-385/U-Mod	EAR99
PEWAN1116 	WR-19	40 - 60	13	UG-383/U-Mod	EAR99
PEWAN1140 	WR-22	33 - 50	15	Square Cover UG-383/U	EAR99
PEWAN1111 	WR-28	24 - 40	15	UG-599/U	EAR99
PEWAN1142 	WR-28	24 - 42	10	Square Choke UG-599/U	EAR99
PEWAN1112 	WR-28	24 - 42	15	UG-599/U	EAR99

Waveguide Accessories













Waveguide to Coax Adapters

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PE-W10CA003 	WR-10	75 - 110	1.32:1	Round Cover UG-387/U-Mod	1.0mm Female	EAR99
PE-W10CA001 	WR-10	75 - 110	1.9:1	Round Cover UG-387/U-Mod	1.0mm Female	EAR99
PE-W10CA002 	WR-10	75 - 110	1.9:1	Round Cover UG-387/U-Mod	1.0mm Male	EAR99
PE-W12CA001 	WR-12	60 - 90	1.67:1	Round Cover UG-387/U	1.0mm Female	EAR99
PE-W12CA002 	WR-12	60 - 90	1.67:1	Round Cover UG-387/U	1.0mm Male	EAR99
PE-W15CA001 	WR-15	50 - 65	1.44:1	Round Cover UG-385/U	1.85mm Female	EAR99
PE-W15CA002 	WR-15	50 - 65	1.44:1	Round Cover UG-385/U	1.85mm Male	EAR99
PE-W19CA001 	WR-19	40 - 60	1.38:1	Round Cover UG-383/U-Mod	1.85mm Female	EAR99
PE-W19CA002 	WR-19	40 - 60	1.38:1	Round Cover UG-383/U-Mod	1.85mm Male	EAR99
PE-W22CA001 	WR-22	33 - 50	1.33:1	Round Cover UG-383/U	2.4mm Female	EAR99
PE-W22CA002 	WR-22	33 - 50	1.33:1	Round Cover UG-383/U	2.4mm Male	EAR99
PEW22CA100 	WR-22	33 - 50	1.4:1	Round Cover UG-383/U	2.4mm Female	EAR99
PE-W28CA001 	WR-28	26.5 - 40	1.29:1	Square Cover UG-599/U	2.92mm Female	EAR99
PE-W28CA002 	WR-28	26.5 - 40	1.29:1	Square Cover UG-599/U	2.92mm Male	EAR99
PEWCA1000 	WR-28	26.5 - 40	1.3:1	Square Cover UG-599/U	2.92mm Female	EAR99
















Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PEWCA1020 	WR-28	26.5 - 40	1.3:1	Square Cover UG-599/U	2.92mm Female	EAR99
PE9826 	WR-28	26.5 - 40	1.4:1	Square Cover	2.92mm Female	EAR99
PEWCA1001 	WR-34	22 - 33	1.25:1	Square Cover UG-1530/U	2.92mm Female	EAR99
PEWCA1021 	WR-34	22 - 33	1.25:1	Square Cover UG-1530/U	2.92mm Female	EAR99
PE9827 	WR-34	22 - 33	1.4:1	Square Cover	2.92mm Female	EAR99
PEWCA1026 	WR-42	18 - 26.5	1.03:1	Square Cover UG-597/U	SMA Female	EAR99
PEWCA1019 	WR-42	18 - 26.5	1.25:1	Square Cover UG-597/U	2.92mm Female	EAR99
PEWCA1018 	WR-42	18 - 26.5	1.25:1	Square Cover UG-595/U	SMA Female	EAR99
PE-W42CA001 	WR-42	18 - 26.5	1.29:1	Square Cover UG-597/U	2.92mm Female	EAR99
PE-W42CA002 	WR-42	18 - 26.5	1.29:1	Square Cover UG-597/U	2.92mm Male	EAR99
PEWCA1070 	WR-42	18 - 26.5	1.3:1	Square Cover UG-597/U	2.92mm Female	EAR99
PEWCA1022 	WR-42	18 - 26.5	1.3:1	Square Cover UG-597/U	SMA Female	EAR99
PE9878 	WR-42	18 - 26.5	1.4:1	Square Cover	2.92mm Female	EAR99
PE9813A 	WR-42	18 - 26.5	1.4:1	Square Cover UG-597/U	2.92mm Male	EAR99
PE9812 	WR-42	18 - 26.5	1.4:1	Square Type	2.92mm Female	EAR99

Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PEWCA1002 	WR-51	15 - 22	1.25:1	Square Cover	SMA Female	EAR99
PEWCA1002A 	WR-51	15 - 22	1.25:1	Square Cover	SMA Female	EAR99
PEWCA1027 	WR-51	15 - 22	1.25:1	Square Cover	SMA Female	EAR99
PE9828 	WR-51	15 - 22	1.3:1	Square Type	SMA Female	EAR99
PE9879 	WR-51	15 - 22	1.3:1	Square Type	SMA Female	EAR99
PE9809 	WR-62	12.4 - 18	1.2:1	Square Cover UG-1665/U	SMA Male	EAR99
PEWCA1028 	WR-62	12.4 - 18	1.25:1	Square Cover UG-1665/U	N Female	EAR99
PEWCA1023 	WR-62	12.4 - 18	1.25:1	Square Cover UG-1665/U	SMA Female	EAR99
PEWCA1003 	WR-62	12.4 - 18	1.25:1	Square Cover UG-419/U	SMA Female	EAR99
PEWCA1072 	WR-62	12.4 - 18	1.3:1	Square Cover UG-1665/U	N Female	EAR99
PEWCA1071 	WR-62	12.4 - 18	1.3:1	Square Cover UG-1665/U	SMA Female	EAR99
PE9803 	WR-62	12.4 - 18	1.3:1	Square Type	SMA Female	EAR99
PE9806 	WR-62	12.4 - 18	1.4:1	Square Cover	N Male	EAR99
PE9866 	WR-62	12.4 - 18	1.4:1	Square Type	N Female	EAR99
PE9875 	WR-62	12.4 - 18	1.4:1	Square Type	N Female	EAR99
















Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PE9846 	WR-62	12.4 - 18	1.4:1	Square Type	SMA Female	EAR99
PEWCA1005 	WR-75	10 - 15	1.25:1	Square Cover	N Female	EAR99
PEWCA1029 	WR-75	10 - 15	1.25:1	Square Cover	N Female	EAR99
PEWCA1004 	WR-75	10 - 15	1.25:1	Square Cover	SMA Female	EAR99
PEWCA1024 	WR-75	10 - 15	1.25:1	Square Cover	SMA Female	EAR99
PEWCA1074 	WR-75	10 - 15	1.3:1	Square Cover	N Female	EAR99
PEWCA1073 	WR-75	10 - 15	1.3:1	Square Cover	SMA Female	EAR99
PE9874 	WR-75	10 - 15	1.3:1	Square Type	N Female	EAR99
PE9819 	WR-75	10 - 15	1.3:1	Square Type	SMA Female	EAR99
PE9867 	WR-75	10 - 15	1.4:1	Square Type	N Female	EAR99
PE9847 	WR-75	10 - 15	1.4:1	Square Type	SMA Female	EAR99
PE9815 	WR-90	8.2 - 12.4	1.2:1	Square Cover	7mm Sexless	EAR99
PEWCA1033 	WR-90	8.2 - 12.4	1.25:1	CMR-90	N Female	EAR99
PEWCA1032 	WR-90	8.2 - 12.4	1.25:1	CMR-90	SMA Female	EAR99
PEWCA1009 	WR-90	8.2 - 12.4	1.25:1	CPR-90G	N Female	EAR99
















Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PEWCA1036 	WR-90	8.2 - 12.4	1.25:1	CPR-90G	N Female	EAR99
PEWCA1035 	WR-90	8.2 - 12.4	1.25:1	CPR-90G	N Male	EAR99
PEWCA1007 	WR-90	8.2 - 12.4	1.25:1	CPR-90G	SMA Female	EAR99
PEWCA1034 	WR-90	8.2 - 12.4	1.25:1	CPR-90G	SMA Female	EAR99
PE9868 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-135/U	N Female	EAR99
PEWCA1031 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-135/U	N Female	EAR99
PEWCA1008 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-39/U	N Female	EAR99
PEWCA1025 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-135/U	SMA Female	EAR99
PEWCA1075 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-135/U	SMA Female	EAR99
PEWCA1030 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-135/U	SMA Male	EAR99
PEWCA1006 	WR-90	8.2 - 12.4	1.25:1	Square Cover UG-39/U	SMA Female	EAR99
PE9883 	WR-90	8.2 - 12.4	1.25:1	UDR100	N Female	EAR99
PE9873 	WR-90	8.2 - 12.4	1.3:1	CPR-90G	N Female	EAR99
PE9801 	WR-90	8.2 - 12.4	1.3:1	Square Type	N Female	EAR99
PE9889 	WR-90	8.2 - 12.4	1.3:1	Square Type	N Male	EAR99


Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PE9804 	WR-90	8.2 - 12.4	1.3:1	Square Type	SMA Female	EAR99
PE9810 	WR-90	8.2 - 12.4	1.3:1	Square Type	SMA Male	EAR99
PE9848 	WR-90	8.2 - 12.4	1.4:1	Square Type	SMA Female	EAR99
PE9869 	WR-102	7 - 11	1.25:1	Square Cover	N Female	EAR99
PEWCA1038 	WR-102	7 - 11	1.25:1	Square Cover UG-1493/U	N Female	EAR99
PEWCA1039 	WR-102	7 - 11	1.25:1	Square Cover UG-1493/U	N Male	EAR99
PE9805 	WR-102	7 - 11	1.25:1	Square Cover UG-1493/U	SMA Female	EAR99
PEWCA1037 	WR-102	7 - 10	1.25:1	Square Cover UG-1493/U	SMA Female	EAR99
PE9811 	WR-102	7 - 11	1.3:1	Square Cover	SMA Male	EAR99
PE9802 	WR-102	7 - 11	1.3:1	Square Type	N Female	EAR99
PE9890 	WR-102	7 - 11	1.3:1	Square Type	N Male	EAR99
PE9871 	WR-102	7 - 11	1.4:1	Square Type	SMA Female	EAR99
PEWCA1043 	WR-112	7.05 - 10	1.25:1	CMR-112	N Female	EAR99
PEWCA1042 	WR-112	7.05 - 10	1.25:1	CMR-112	SMA Female	EAR99
PEWCA1013 	WR-112	7.05 - 10	1.25:1	CPR-112G	N Female	EAR99



Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PEWCA1045 	WR-112	7.05 - 10	1.25:1	CPR-112G	N Female	EAR99
PEWCA1011 	WR-112	7.05 - 10	1.25:1	CPR-112G	SMA Female	EAR99
PEWCA1044 	WR-112	7.05 - 10	1.25:1	CPR-112G	SMA Female	EAR99
PEWCA1041 	WR-112	7.05 - 10	1.25:1	Square Cover UG-138/U	N Female	EAR99
PEWCA1012 	WR-112	7.05 - 10	1.25:1	Square Cover UG-51/U	N Female	EAR99
PEWCA1040 	WR-112	7.05 - 10	1.25:1	Square Cover UG-138/U	SMA Female	EAR99
PEWCA1010 	WR-112	7.05 - 10	1.25:1	Square Cover UG-51/U	SMA Female	EAR99
PE9837 	WR-112	7.05 - 10	1.3:1	CPR-112G	N Female	EAR99
PE9820 	WR-112	7.05 - 10	1.3:1	Square Type	N Female	EAR99
PE9870 	WR-112	7.05 - 10	1.3:1	Square Type	N Female	EAR99
PE9884 	WR-112	7.05 - 10	1.3:1	Square Type	SMA Female	EAR99
PE9865 	WR-112	7.05 - 10	1.4:1	Square Type	SMA Female	EAR99
PEWCA1049 	WR-137	5.85 - 8.2	1.25:1	CMR-137	N Female	EAR99
PEWCA1048 	WR-137	5.85 - 8.2	1.25:1	CMR-137	SMA Female	EAR99
PEWCA1017 	WR-137	5.85 - 8.2	1.25:1	CPR-137G	N Female	EAR99














Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PEWCA1051 	WR-137	5.85 - 8.2	1.25:1	CPR-137G	N Female	EAR99
PEWCA1015 	WR-137	5.85 - 8.2	1.25:1	CPR-137G	SMA Female	EAR99
PEWCA1050 	WR-137	5.85 - 8.2	1.25:1	CPR-137G	SMA Female	EAR99
PEWCA1016 	WR-137	5.85 - 8.2	1.25:1	Round Cover UG-344/U	N Female	EAR99
PEWCA1047 	WR-137	5.85 - 8.2	1.25:1	Round Cover UG-441/U	N Female	EAR99
PEWCA1014 	WR-137	5.85 - 8.2	1.25:1	Round Cover UG-344/U	SMA Female	EAR99
PEWCA1046 	WR-137	5.85 - 8.2	1.25:1	Round Cover UG-441/U	SMA Female	EAR99
PE9876 	WR-137	5.85 - 8.2	1.3:1	CMR-137	N Female	EAR99
PE9830 	WR-137	5.85 - 8.2	1.3:1	CMR-137	SMA Female	EAR99
PE9838 	WR-137	5.85 - 8.2	1.3:1	CPR-137G	N Female	EAR99
PEWCA1053 	WR-159	4.9 - 7.05	1.25:1	CMR-159	N Female	EAR99
PEWCA1052 	WR-159	4.9 - 7.05	1.25:1	CMR-159	SMA Female	EAR99
PEWCA1055 	WR-159	4.9 - 7.05	1.25:1	CPR-159G	N Female	EAR99
PEWCA1054 	WR-159	4.9 - 7.05	1.25:1	CPR-159G	SMA Female	EAR99
PE9821 	WR-159	4.9 - 7.05	1.3:1	CMR-159	N Female	EAR99

Waveguide to Coax Adapters Continued

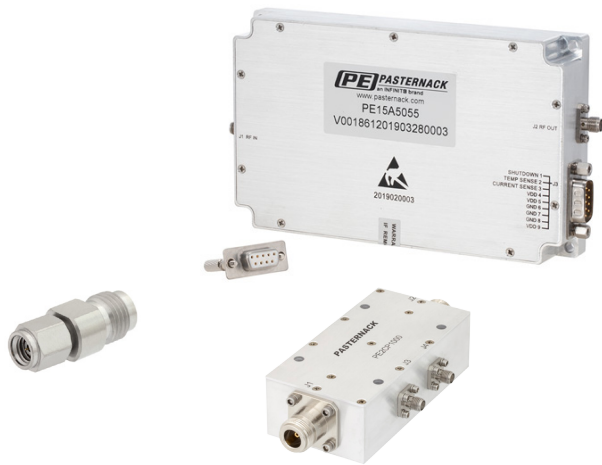
PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PE9831 	WR-159	4.9 - 7.05	1.3:1	CMR-159	SMA Female	EAR99
PE9839 	WR-159	4.9 - 7.05	1.3:1	CPR-159G	N Female	EAR99
PEWCA1058 	WR-187	3.95 - 5.85	1.25:1	CMR-187	N Female	EAR99
PEWCA1057 	WR-187	3.95 - 5.85	1.25:1	CMR-187	SMA Female	EAR99
PEWCA1059 	WR-187	3.95 - 5.85	1.25:1	CPR-187G	N Female	EAR99
PEWCA1056 	WR-187	3.95 - 5.85	1.25:1	Round Cover UG-407/U	N Female	EAR99
PE9822 	WR-187	3.95 - 5.85	1.3:1	CMR-187	N Female	EAR99
PE9832 	WR-187	3.95 - 5.85	1.3:1	CMR-187	SMA Female	EAR99
PE9840 	WR-187	3.95 - 5.85	1.3:1	CPR-187G	N Female	EAR99
PEWCA1060 	WR-229	3.3 - 4.9	1.25:1	CMR-229	N Female	EAR99
PEWCA1062 	WR-229	3.3 - 4.9	1.25:1	CPR-229G	N Female	EAR99
PEWCA1061 	WR-229	3.3 - 4.9	1.25:1	CPR-229G	SMA Female	EAR99
PE9823 	WR-229	3.3 - 4.9	1.3:1	CMR-229	N Female	EAR99
PE9833 	WR-229	3.3 - 4.9	1.3:1	CMR-229	SMA Female	EAR99
PE9877 	WR-229	3.3 - 4.9	1.3:1	CPR-229G	N Female	EAR99
PEWCA1064 	WR-284	2.6 - 3.95	1.25:1	CMR-284	N Female	EAR99

Waveguide to Coax Adapters Continued

PE P/N	Waveguide Type	RF Frequency Range (GHz)	Max. VSWR	Flange Type	Connector	ECCN
PE9834 	WR-284	2.6 - 3.95	1.25:1	CMR-284	SMA Female	EAR99
PEWCA1065 	WR-284	2.6 - 3.95	1.25:1	CPR-284G	N Female	EAR99
PEWCA1063 	WR-284	2.6 - 3.95	1.25:1	Round Cover UG-584/U	N Female	EAR99
PE9824 	WR-284	2.6 - 3.95	1.3:1	CMR-284	N Female	EAR99
PE9842 	WR-284	2.6 - 3.95	1.3:1	CPR-284G	N Female	EAR99
PE9882 	WR-340	2.2 - 3.3	1.25:1	CPR-340F	N Female	EAR99
PEWCA1066 	WR-340	2.2 - 3.3	1.25:1	CPR-340F	N Female	EAR99
PEWCA1067 	WR-340	2.2 - 3.3	1.25:1	CPR-340G	N Female	EAR99
PEWCA1068 	WR-430	1.7 - 2.6	1.25:1	CPR-430F	N Female	EAR99
PEWCA1069 	WR-430	1.7 - 2.6	1.25:1	CPR-430G	N Female	EAR99
PE9872 	WR-430	1.7 - 2.6	1.3:1	CPR-430F	N Female	EAR99
PE9835 	WR-430	1.7 - 2.6	1.3:1	CPR-430F	SMA Female	EAR99
PE9843 	WR-430	1.7 - 2.6	1.3:1	CPR-430G	N Female	EAR99

Corner Reflectors

PE P/N	Description
PEWRL0000 	1.4 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0001 	1.8 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0002 	2.4 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0003 	3.2 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0004 	4.3 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0005 	6 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0006 	8 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0007 	8.5 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0008 	8.9 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0009 	10 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0010 	13 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0011 	13.5 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0012 	16 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish
PEWRL0013 	24 inch Edge Length, Trihedral Corner Reflector, 1/4-20 Threaded Hole Mount, Aluminum Body, Gold Chem Film Finish



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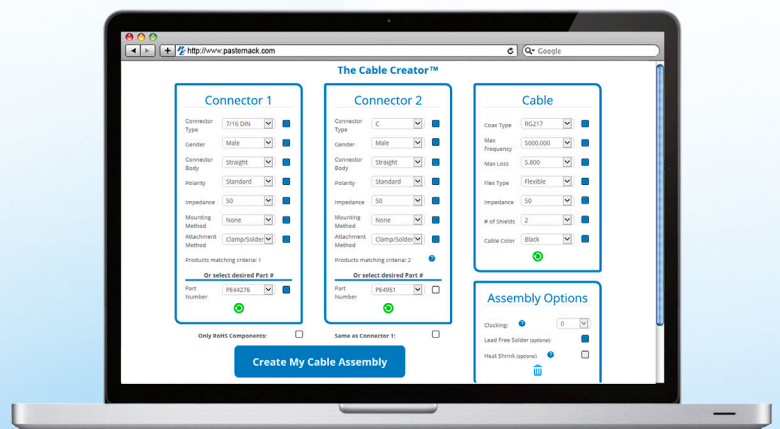
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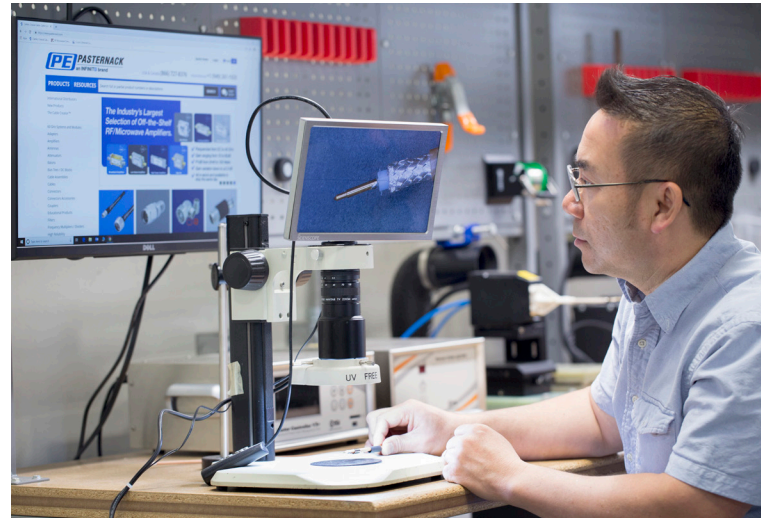
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