

Diplexer Tetra and GSM-R

2501.17.0100

Properties

- Diplexer combines and separate signals in frequency 440 - 475 MHz and the 870 - 960 MHz wireless bands
- Fire retardant acc. to EN 45545-2



Port definition (common)

Port designation	Interface	Gender	Impedance
Port 3	N	jack (female)	50 Ω

Port definition (stop/pass)

Port designation	Interface	Gender	Impedance
Port 1	N	jack (female)	50 Ω
Port 2	N	jack (female)	50 Ω

Electrical bands

	Band 1	Band 2
Frequency range	0.44 GHz ... 0.475 GHz	0.87 GHz ... 0.96 GHz
Return loss	≥ 20 dB	≥ 20 dB
Insertion loss	≤ 0.3 dB	≤ 0.3 dB
Composit power max	50 W	50 W
Intermodulation distortion	≤ -150 dBc	≤ -150 dBc
@ 2 x carrier power	43 dBm	43 dBm
Port designation	Port 1	Port 2
Connector series	N	N
Gender	jack (female)	jack (female)

Electrical data (rejection)

Band to band	value
Band 1 to Band 2	≥ 60 dB

HYPER+SIUNED



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Mechanical data	
Weight	2.1 kg
Width	123 mm
Height	247 mm
Depth	49 mm
Housing material and surface treatment	Aluminium / Passivated

Environmental data	
Environment (application)	Indoor/Outdoor
Operation temperature	-40 °C ... 70 °C
Storage temperature	-40 °C ... 70 °C
Transport temperature	-40 °C ... 70 °C
Ingress protection (IP Rating)	IP67

Ordering Information Table	
Item number	Item description
85193147	2501.17.0100

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