

HUBER+SUHNER® MINI141® CT Information

Description

- Excellent phase and insertion loss stability over temperature (-55 to +125 °C)
- Outstanding phase stability versus bending | Phase vs flexure of 0.1°/GHz
- Increased system accuracy over temperature change
- Flat phase change over temperature
- 900 ppm absolute phase change



What is it? MINI141 CT (.141") Phase Invariant cables are developed for phase critical applications requiring precision electrical length connectivity. The MINI141 CT combines the industry-renowned flexibility of the MINIBEND® bend-to-the-end connector termination technology with industry leading phase vs. temperature performance. Thus, it creates a stable, reliable, MIL-DTL-17 qualified interconnect solution to satisfy a huge range of customer applications where phase stability is key.

MINI141 CT – Available Connections

Connectors (Other connectors may be made available upon request)

Item Description | Part Number(s) | SAP IDs for Ordering

MINI141 CT with SMA Connectors | Please consult with your HUBER+SUHNER MINI141 CT Ordering Guide for SAP IDs

MINI141 CT with SK Connectors | Please consult with your HUBER+SUHNER MINI141 CT Ordering Guide for SAP IDs

Technical Information

General Information

Impedance – 50 Ω

Frequency Range – DC to 40 GHz

Temperature Range – -55°C to 125°C

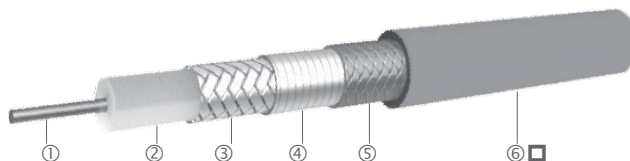
Electrical Information

VSWR – 1.18:1 to 2.0 GHz, 1.27:1 to 12.4 GHz, 1.35:1 to 18.0 GHz, 1.40:1 to 26.5 GHz

Technical Drawing

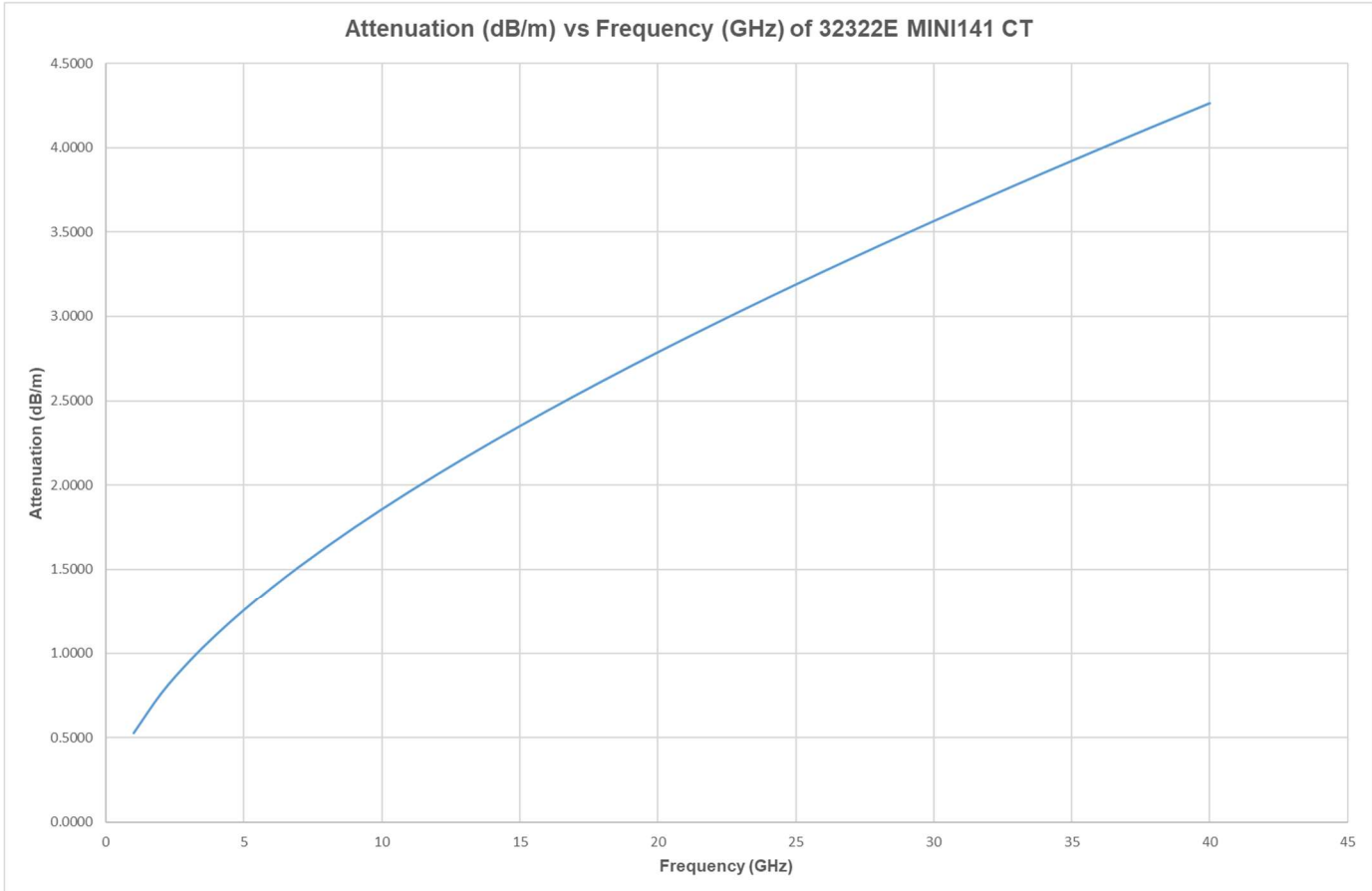
Cable	Inner Conductor	Dielectric	Outer Conductor	Barrier	Outer Braid	Jacket	Outer Diameter
	1	2	3	4	5	6	
32322E	CuAg (SPC) Wire	Foamed PFA	CuAg (SPC) flat wire braid	Aluminum / Polyimide Tape	Stainless Steel Braid	Extruded FEP	3.61 mm

Cable	Operating Frequency	Velocity (nominal)	Weight (nominal)	Static Min. Bend Radius	Impedance	Temp. Range
	GHz	%	g/m	mm	Ω	°C
32322E	40	80.0	9.52	8.38	50	-55 to +125



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Performance Graph



Ordering information

Product	Description	H+S Item number
MINI141 CT Cable Assemblies	32322E Cable + Specified Assembly	Via HUBER+SUHNER Price Lists

Longer, specialty lengths can be made available upon request; please note, the service class delivery lead times for specialty ordered cables will be longer than standard lengths. Discuss customized and further MINI141 CT connector configurations listed on the preceding page with your HUBER+SUHNER customer representative and sales professional for ordering and delivery times.