

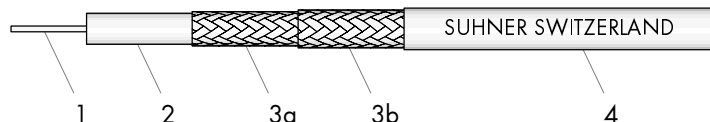


SUHNER® COAXIAL CABLE

TYPE: RG 142 B/U

Item: 22510037

Cable design



1	Inner conductor	...	Silver-plated copper-clad steel wire	...	ø 0.95 mm
2	Dielectric	...	Solid polytetrafluoroethylene (PTFE)	...	ø 2.95 mm
3	Outer conductor	a)	Silver-plated copper wire braid	...	97% coverage ø 3.60 mm
		b)	Silver-plated copper wire braid	...	94% coverage ø 4.25 mm
4	Jacket	...	FEP	...	br (RAL 8015) ø 4.95 mm
	Print on jacket	...	SUHNER SWITZERLAND RG 142 B/U 50 Ohm		

Electrical data

Typ. operating frequency	...	(GHz)	≤ 5
Impedance	...	(Ω)	50 ± 2
Capacitance	...	(pF/m)	95.0
Relative signal propagation	...	(%)	70.2
Signal delay	...	(ns/m)	4.75
Phase stability	vs temperature	...	(°/GHz/m) -
	vs bending	...	(°/GHz) -
Insulation resistance	...	(MΩm)	> 10 ⁸
Test voltage	...	50 Hz / 1 min.	(kV _{rms}) 5.0
Max. operating voltage	at sea level	...	(kV _{rms}) 2.5
Typ. DC resistance	inner conductor	...	(Ω/km) 63.2
	outer conductor	...	(Ω/km) 6.7
Typ. screening effectiveness	...	1 ... 300 MHz	(dB) > 85

General data

Cable specification	...	cable design and materials in accordance with	...	MIL-C-17/60
Temperature range	operating	...	(°C)	-65...+165
	installation	...	(°C)	-20...+70
Flame propagation	...	IEC 332-3	...	passed
Halogen content	...	IEC 754	...	n/a
Typ. Weight	...	(kg/100m)	...	6.4
Min. bending radius	for bending once	...	(mm)	30
	for repeated bendings	...	(mm)	50
	for flexible applications	...	(mm)	-

Suitable connectors

Cable group ... U9 / U10

For details refer to the "SUHNER® coaxial connector catalogue" or contact your nearest HUBER+SUHNER representative

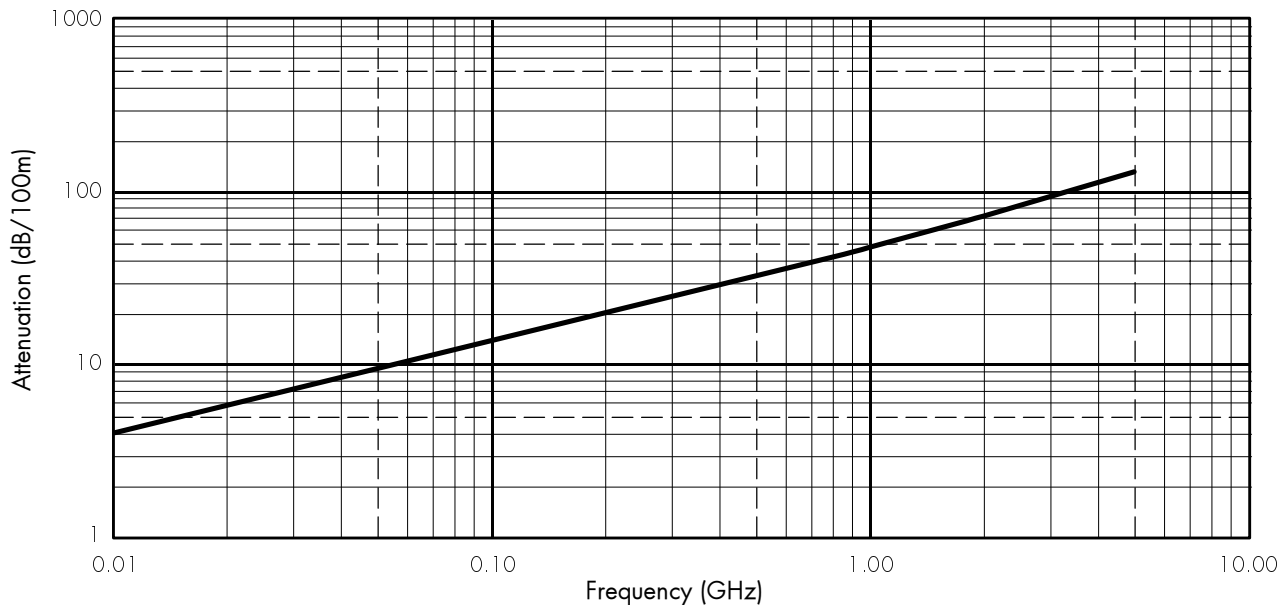
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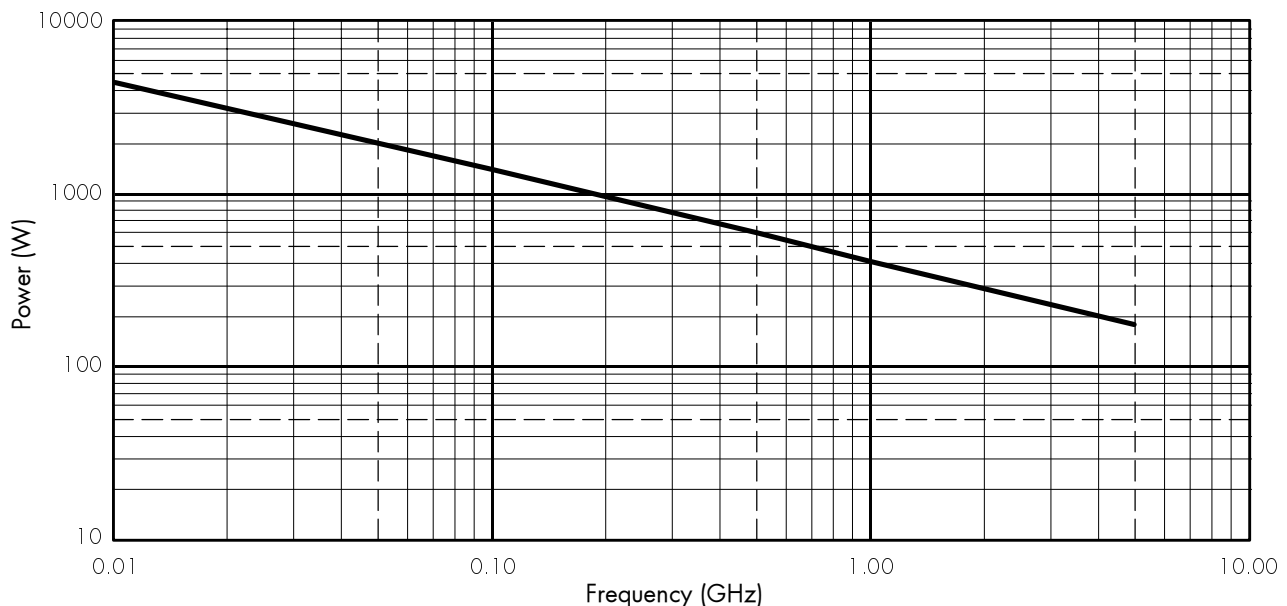
Cable attenuation

Nominal values @ +25 °C ambient temperature



C.W. power handling capability

Maximum values @ +40 °C ambient temperature and sea level, no solar load



WAIVER!

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Document No.: 01.03.0567
Issue No.: 3
Supersedes: 0567/2

Uncontrolled copy
Issued/Checked/Released:
Last amended:

11.11.1997/486-HJ
Change of electrical data