

CRM141DS

Semi-Rigid, Ultra Low-Loss,
Phase & Amplitude, High Temperature Resistance RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.05	Silver Plated Copper
2	Insulating	3.00	LD-PTFE
3	Outer Conductor	3.58	Seamless Annealed Copper Tube Plating Ternary Alloy

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	81%
4	Voltage Withstand (Vrms@1min)	1000
5	Shielding Effectiveness(dB)	≥165
6	Weight(g/m)	45
7	Single Bend Radius(mm)	13.50
8	Temperature Range(°C)	-55~+250

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.308	0.439	0.540	0.771	0.895	1.005	1.125	1.369
Average Power (KW)	1.121	0.788	0.641	0.448	0.386	0.344	0.307	0.253

$K1=0.9611450$ $K2=0.0004400$

Calculate Attenuation = $K1*\sqrt{FMHz}+K2*FMHz$



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