

CRG141DS

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



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.99	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	76%
4	Voltage Withstand (Vrms@1min)	1000
5	Shielding Effectiveness(dB)	≥165
6	Weight(g/m)	47
7	Single Bend Radius(mm)	15.00
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)	0.317	0.455	0.564	0.817	0.956	1.081	1.218	1.503
Average Power (KW)	1.121	0.781	0.630	0.435	0.372	0.329	0.292	0.236

$K1=0.9658450$ $K2=0.0011510$

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



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