

CMG047UM

Semi-Flexible,
Cost-Effective RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.29	Silver Plated Copper Clad Steel
2	Insulating	0.94	PTFE
3	Outer Conductor	1.19	Tinned Copper Braid

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Voltage Withstand (Vrms@1min)	1500
5	Shielding Effectiveness(dB)	≥100
6	Weight(g/m)	6.6
7	Single Bend Radius(mm)	4.00
8	Temperature Range(°C)	-65~+150

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

Frequency (MHz)	500	1000	3000	5000	10000	18000	20000	30000	40000
Attenuation (dB/m)	0.832	1.244	2.213	2.968	4.312	6.035	6.681	9.022	11.271
Average Power (KW)	0.046	0.031	0.018	0.013	0.009	0.007	0.006	0.003	0.002



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