

Economical Low Loss Coaxial Cable, RCM300S

DC-8GHz, ø7.6mm, E-Grade, Super Soft



Dimensions(mm) Tolerance±1%



Electrical & Environmental

Frequency Range	DC-8GHz
Impedance	50 Ohms
CW power@25°C	92W @8GHz, 160W @3GHz
Attenuation@Length 1m	0.79 dB Max @8GHz
Capacitance	78.4 pF/m
VOP	85%
SE	90dB Min
Voltage	2000V@DC
OT	-40~+85°C

Product Information

Product Number	RCM300S, E-Grade
Product Type	Economical Low Loss Coaxial Cable
Bend Radius (Inst.)	22.20mm
Bend Radius (Rep.)	76.20mm
Net Weight	About 80.0g per meter

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCM300S-10M	10 m	Sealed bag

RCM300S Structure Characteristics

Structure	Material	Diameter
1.Center Conductor	Stranded Bare Copper Wire	1.78 mm
2.Dielectric	Foam PE	4.83 mm
3.Inner shield	Aluminum Foil Longitudinal Wrapping	mm
4.Outer Shield	Tin-plated Copper Wire Braiding	5.72 mm
5.Jacket	Black TPE	7.62 mm
Frequency(MHz)	ATTEN(dB/100M)	Avg Power(W)
50	5.37	1357
100	7.63	954
200	10.88	669
500	17.49	416
800	22.37	325
1000	25.17	289
2000	36.49	200
2450	40.75	179
3000	45.53	160
4000	53.39	136
5000	60.49	120
6000	67.06	109
$\text{dB}/100\text{M} = K1 \times \sqrt{\text{FMHz}} + K2 \times \text{FMHz}$		
$K1=0.748, K2=0.00152, P3=7282$		