Economical Low Loss Coaxial Cable, RCM400S
DC-8GHz, ø10.16mm, E-Grade, Super Soft

Dimensions(mm) Tolerance±1%

Electrical & Environmental

Frequency Range	DC-8GHz
Impedance	50 Ohms
CW power@25℃	124W @8GHz, 214W @3GHz
Attenuation@Length 1m	0.51 dB Max @8GHz
Capacitance	78.4 pF/m
VOP	85%
SE	90dB Min
Voltage	2500V@DC
OT	-40~+85℃

Product Information

Product Number	RCM400S, E-Grade
Product Type	Economical Low Loss Coaxial Cable
Bend Radius (Inst.)	25.40mm
Bend Radius (Rep.)	102.00mm
Net Weight	About 100.0g per meter

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCM400S-10M	10 m	Sealed bag

RCM400S Structure Characteristics		
Structure	**Material**	**Diameter**
1.Center Conductor	Stranded Bare Copper Wire	2.74 mm
2.Dielectric	Foam PE	7.24 mm
3.Inner shield	Aluminum Foil Longitudinal Wrapping	mm
4.Outer Shield	Tin-plated Copper Wire Braiding	8.10 mm
5.Jacket	Black TPE	10.16 mm
Frequency(MHz)	**ATTEN(dB/100M)**	**Avg Power(W)**
50	3.49	1804
100	4.96	1269
200	7.07	891
500	11.34	555
800	14.49	434
1000	16.30	386
2000	23.57	267
2450	26.30	239
3000	29.36	214
4000	34.38	183
5000	38.91	162
6000	43.09	146
dB/100M=K1× sqrt(FMHz) + **K2**× FMHz		
K1=0.487 , **K2**=0.000895 , **P3**=6293		

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