

Semi-Flexible Coaxial Cable, RCR141F
DC-34GHz, ø4.15mm, P-Grade

01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

Frequency Range	DC-34GHz
Impedance	50 Ohms
CW power@25℃	61W @34GHz, 284W @3GHz
Attenuation@Length 1m	3.44 dB Max @34GHz
Capacitance	95 pF/m
VOP	70%
SE	100dB Min
Voltage	1500V@DC
OT	-55 ~ +125℃

03

Product Information

Product Number	RCR141F, P-Grade
Product Type	Semi-Flexible Coaxial Cable
Bend Radius (Inst.)	20.00mm
Bend Radius (Rep.)	40.00mm
Net Weight	About 52.0g per meter

04

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCR141F-10M	10 m	Sealed bag
RCR141F-300M	300 m	Wooden Reel

RCR141F Structure Characteristics		
Structure	**Material**	**Diameter**
1.Center Conductor	Single-core Silver-plated Copper	0.93 mm
2.Dielectric	PTFE	2.98 mm
3.Outer Shield	Tin-plated Copper Wire Braiding+Tin Soaked	3.52 mm
4.Jacket	Blue FEP	4.15 mm
Frequency(MHz)	**ATTEN(dB/100M)**	**Avg Power(W)**
300	20.61	1012
500	27.06	771
1000	39.44	529
2000	58.14	359
2450	65.31	319
4000	86.95	240
6000	110.93	188
8000	132.41	157
12400	174.69	119
18000	222.80	94
26500	289.12	72
34000	343.55	61
dB/100M=**K1**× sqrt(FMHz) + **K2**× FMHz		
K1=1.11987 , **K2**=0.004031 , **P3**=20853		