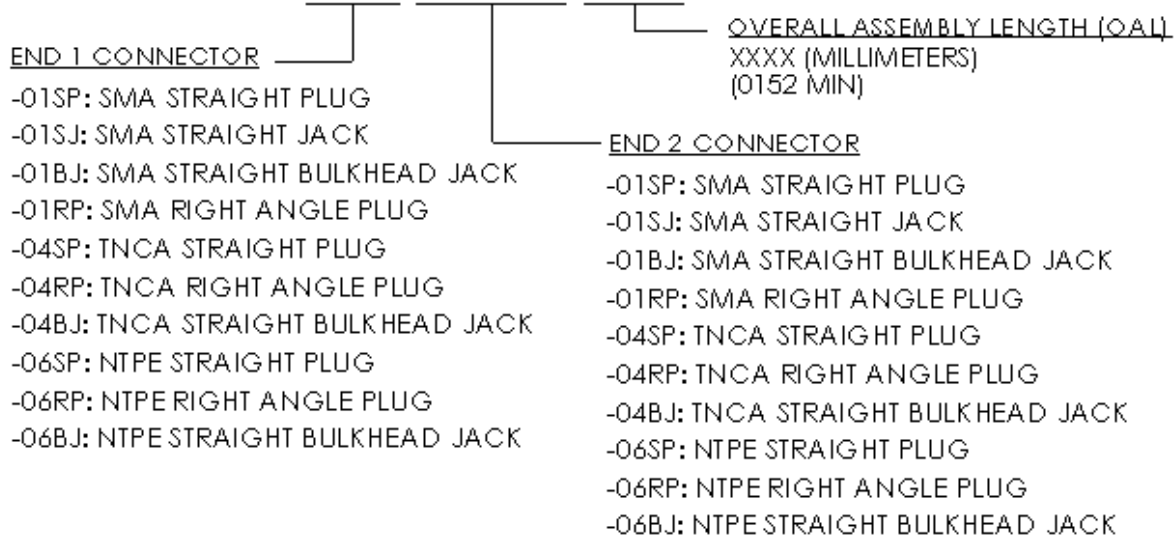


Series: RF180, Cable Assembly, 50 Ω



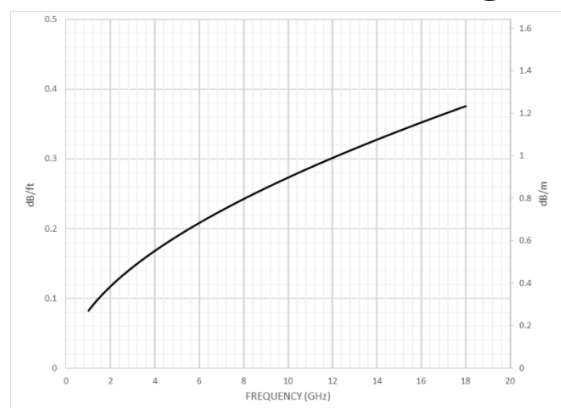
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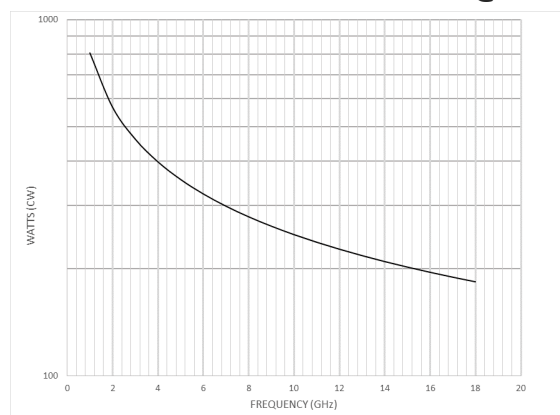


Series: RF180, Cable Assembly, 50 Ω

ELECTRICAL DATA

Impedance	50 Ω	
Frequency Range	SMA Straight Plug SMA Right Angle Plug SMA Straight Jack SMA Straight Bulkhead Jack TNCA Straight Plug TNCA Right Angle Plug TNCA Straight Bulkhead Jack NTPE Straight Plug NTPE Right Angle Plug NTPE Straight Bulkhead Jack	DC to 18 GHz
Velocity of Propagation	80%	
Capacitance	82 pF/meter	
Time Delay	4.1 ns/meter	
VSWR	SMA Straight Plug SMA Straight Jack SMA Straight Bulkhead Jack TNCA Straight Plug TNCA Straight Bulkhead Jack NTPE Straight Plug NTPE Straight Bulkhead Jack	1.35:1 Max
	SMA Right Angle Plug TNCA Right Angle Plug NTPE Right Angle Plug	1.45:1 Max
Insertion Loss	<i>See Graph</i>	
Power Handling	<i>See Graph</i>	

MAXIMUM INSERTION LOSS @ T=25°C¹

¹Not including connector losses. Connector losses can be approximated as 0.045x√F(GHz) dB/connector.

TYPICAL POWER HANDLING @ T=25°C²

²Guideline, only. Actual power handling performance depends on mounting and cooling.

Series: RF180, Cable Assembly, 50 Ω

MECHANICAL DATA

Outer Diameter (cable only)	4.95 mm
Mass	65.5 grams/meter
Minimum Bend Radius (Static)	24.8 mm
Minimum Connector Retention	11.4 kg

ENVIRONMENTAL DATA

Temperature Range	-65 to +125°C
Thermal Shock	MIL-STD-202-107, -65°C to +125°C, 10 cycles

CONNECTOR OPTIONS

End Option	Description	Drawing
01SP	SMA Straight Plug	PRF01-P-C-EP-142-SS Drawing
01RP	SMA Right Angle Plug	PRF01-P-C-EP-142-RS Drawing
01SJ	SMA Straight Jack	PRF01-J-C-EP-142-SS Drawing
01BJ	SMA Straight Bulkhead Jack w/Jam Nut	PRF01-J-C-EP-142-BS Drawing
04SP	TNCA Straight Plug	PRF04-P-C-EP-142-SS Drawing
04RP	TNCA Right Angle Plug	PRF04-P-C-EP-142-RS Drawing
04BJ	TNCA Straight Bulkhead Jack w/Jam Nut	PRF04-J-C-EP-142-BS Drawing
06SP	NTPE Straight Plug	PRF06-P-C-EP-142-SS Drawing
06RP	NTPE Right Angle Plug	PRF06-P-C-EP-142-RS Drawing
06BJ	NTPE Straight Bulkhead Jack w/Jam Nut	PRF06-J-C-EP-142-BS Drawing

ADDITIONAL INFORMATION

Cable Type	Datasheet
Cable Assembly	RF180-XXXX-XXXXXX-XXXX Drawing



Series: RF180, Cable Assembly, 50 Ω

USE OF PRODUCT SPECIFICATION SHEET

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