

Series: RF280, Cable Assembly, 50 Ω



Part Number:

RF280-XXXX-XXXXXX-XXXX

OVERALL ASSEMBLY LENGTH(OAL)
0152(MILLIMETERS)

END 1 CONNECTOR

- 01SP: SMA STRAIGHT PLUG
- 01BJ: SMA STRAIGHT BULKHEAD JACK
- 01RP: SMA RIGHT ANGLE PLUG
- *-04SP: TNCA STRAIGHT PLUG
- *-04BJ: TNCA STRAIGHT BULKHEAD JACK
- *-04RP: TNCA RIGHT ANGLE PLUG
- 06SP: NTPE STRAIGHT PLUG
- 06BJ: NTPE STRAIGHT BULKHEAD JACK
- 06RP: NTPE RIGHT ANGLE PLUG

END 2 CONNECTOR

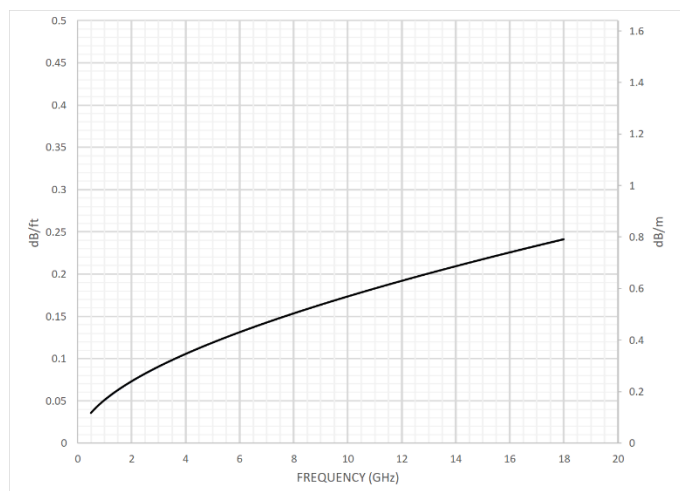
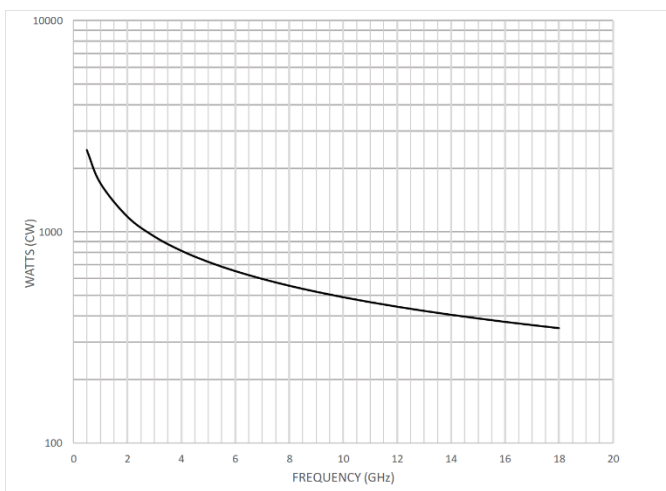
- 01SP: SMA STRAIGHT PLUG
- 01BJ: SMA STRAIGHT BULKHEAD JACK
- 01RP: SMA RIGHT ANGLE PLUG
- *-04SP: TNCA STRAIGHT PLUG
- *-04BJ: TNCA STRAIGHT BULKHEAD JACK
- *-04RP: TNCA RIGHT ANGLE PLUG
- 06SP: NTPE STRAIGHT PLUG
- 06BJ: NTPE STRAIGHT BULKHEAD JACK
- 06RP: NTPE RIGHT ANGLE PLUG

(*=NOT RELEASED)

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ELECTRICAL DATA

Impedance	50 Ω	
Frequency Range	SMA Straight Plug SMA Right Angle Plug 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	83 %	
Capacitance	82 pF/meter	
Time Delay	4.0 ns/meter	
VSWR	SMA Straight Plug 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	DC to 14GHz: 1.35:1 Max 14GHz to 18GHzL 1.45:1 Max
	NTPE Right Angle Plug TNCA Right Angle Plug	DC to 14GHz: 1.35:1 Max 14GHz to 18GHzL 1.50:1 Max
Insertion Loss	<i>See Graph</i>	
Power Handling	<i>See Graph</i>	

MAXIMUM INSERTION LOSS @ T=25°C¹

TYPICAL POWER HANDLING @ T=25°C²

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

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¹Not including connector losses. Connector losses can be approximated as $0.045\sqrt{F(\text{GHz})}$ dB/connector.

MECHANICAL DATA

Outer Diameter (cable only)	7.62 mm
Mass	113.1 gram/meter
Minimum Bend Radius (Static)	38.1mm
Minimum Bend Radius (Dynamic)	TBD
Minimum Connector Retention	TBD

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-335A-SS
01RP	SMA Right Angle Plug	PRF01-P-C-EP-335A-RS
01BJ	SMA Straight Bulkhead Jack	PRF01-J-C-EP-335A-BS
*04SP	TNCA Straight Plug	PRF04-P-C-EP-335A-SS
*04RP	TNCA Right Angle Plug	PRF04-P-C-EP-335A-RS
*04BJ	TNCA Straight Bulkhead Jack	PRF04-J-C-EP-335A-BS
06SP	NTPE Straight Plug	PRF06-P-C-EP-335A-SS
06RP	NTPE Right Angle Plug	PRF06-P-C-EP-335A-RS
06BJ	NTPE Straight Bulkhead Jack	PRF06-J-C-EP-335A-BS

(* = Not Released)

ADDITIONAL INFORMATION

Cable Type	Datasheet
Cable Assembly	RF280-XXXX-XXXXXX-XXXX



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USE OF PRODUCT SPECIFICATION SHEET

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