

Series: RF085, Cable Assembly, 50 Ω



Part Number:

RF085-XXXX-XXXX-XXXX

OVERALL ASSEMBLY LENGTH (OAL)
XXXX (MILLIMETERS)
(0152 MIN)

END 1 CONNECTOR

-92SP: 2.92mm Plug
-92SJ: 2.92mm Jack
-24SP: 2.4mm Plug
-24SJ: 2.4mm Jack

END 2 CONNECTOR

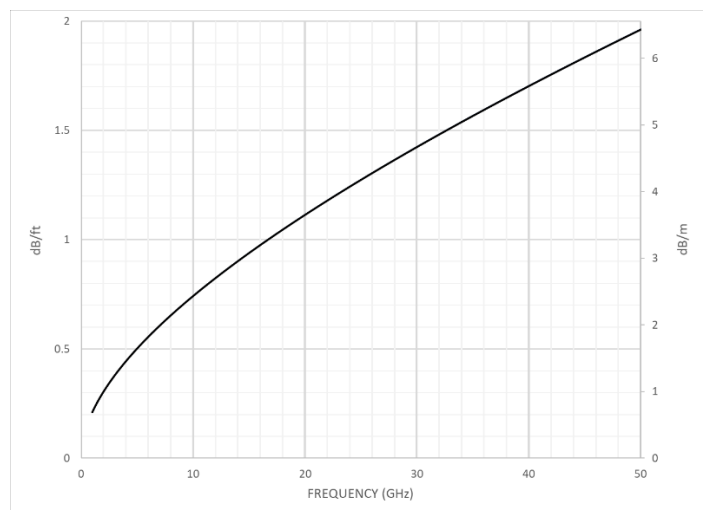
-92SP: 2.92mm Plug
-92SJ: 2.92mm Jack
-24SP: 2.4mm Plug
-24SJ: 2.4mm Jack

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ELECTRICAL DATA

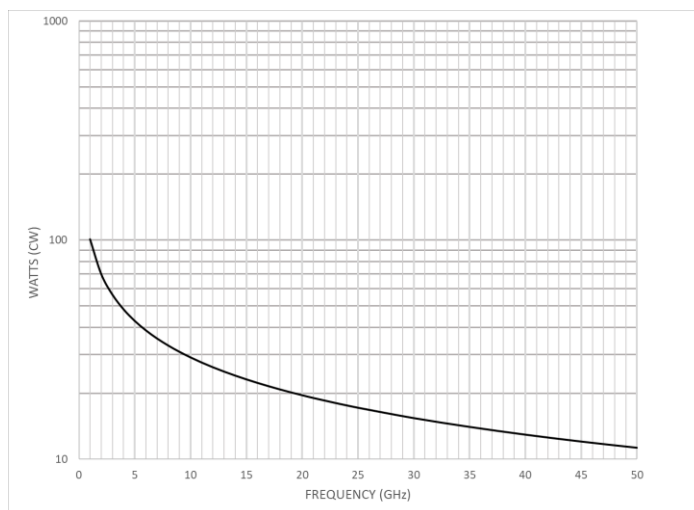
Impedance	50 Ω	
Frequency Range	2.4mm Plug, 2.4mm Jack	DC to 50 GHz
	2.92mm Plug, 2.92mm Jack	DC to 40 GHz
Velocity of Propagation	70 %	
Capacitance	96 pF/meter	
Time Delay	4.75 ns/meter	
VSWR	1.4:1 Max	
Insertion Loss	<i>See Graph</i>	
Power Handling	<i>See Graph</i>	

MAXIMUM INSERTION LOSS @ T=25°C¹



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

TYPICAL POWER HANDLING @ T=25°C²



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

**Series:** RF085, Cable Assembly, 50 Ω **MECHANICAL DATA**

Outer Diameter (cable only)	2.64 mm
Mass ³	20.8 grams/meter
Minimum Bend Radius (Static)	13.2 mm
Minimum Connector Retention	6.80 kg

³Does not include mass of connectors**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
29SP	2.92mm Plug	PRF92-P-C-EP-085-SS Drawing
29SJ	2.92mm Jack	PRF29-J-C-EP-085-SS Drawing
24SP	2.4mm Plug	PRF24-P-C-EP-085-SS Drawing
24SJ	2.4mm Jack	PRF24-J-C-EP-085-SS-02 Drawing

ADDITIONAL INFORMATION

Cable Type	Datasheet
Cable Assembly	RF085 Drawing

USE OF PRODUCT SPECIFICATION SHEET

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