

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

Part Number: RF085-XXXX-XXXX-XXXX

END 1 CONNECTOR

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

END 2 CONNECTOR

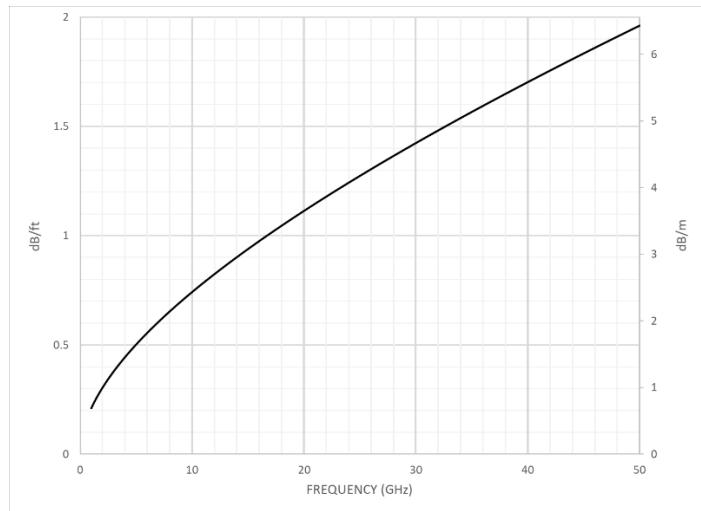
- 92SP: 2.92mm Plug
- 92SJ: 2.92mm Jack
- 24SP: 2.4mm Plug
- 24SJ: 2.4mm Jack

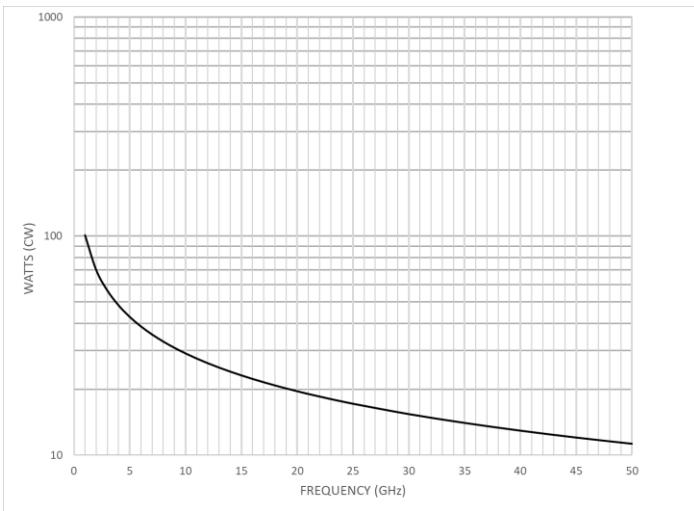
OVERALL ASSEMBLY LENGTH (OAL)  
XXXX (MILLIMETERS)  
(0152 MIN)

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

**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	<b>See Graph</b>	
Power Handling	<b>See Graph</b>	

**MAXIMUM INSERTION LOSS @ T=25°C<sup>1</sup>**

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

**TYPICAL POWER HANDLING @ T=25°C<sup>2</sup>**

<sup>2</sup>Guideline, 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 <sup>3</sup>	20.8 grams/meter
Minimum Bend Radius (Static)	13.2 mm
Minimum Connector Retention	6.80 kg

<sup>3</sup>Does 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	<a href="#">PRF92-P-C-EP-085-SS Drawing</a>
29SJ	2.92mm Jack	<a href="#">PRF29-J-C-EP-085-SS Drawing</a>
24SP	2.4mm Plug	<a href="#">PRF24-P-C-EP-085-SS Drawing</a>
24SJ	2.4mm Jack	<a href="#">PRF24-J-C-EP-085-SS-02 Drawing</a>

**ADDITIONAL INFORMATION**

Cable Type	Datasheet
Cable Assembly	<a href="#">RF085 Drawing</a>

**USE OF PRODUCT SPECIFICATION SHEET**

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