RCA18SMPC-XX

SMP Fixed Attenuator, DC-18 GHz, 2 Watts

For Cryogenic Application

Rev 1

Features

- Cryogenic Operation to < 4 K
- Precision Attenuation & Low VSWR up to 18GHz
- Non-Magnetic to Avoid Magnetic Noise
- Stable Attenuation Over Temp with Laser Trimmed Resistive Element

Electrical

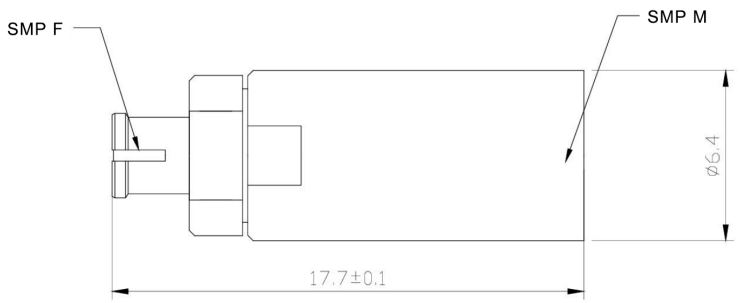
Impedance	50 ohm
Frequency Range	DC-18 GHz
VSWR	1.4 max
Input Avg Power	2W@ 25℃ ambient, derating linearly to 0.2W at 100℃
Peak Power	20W (5 micro-sec pulse width, 0.5% duty cycle)
Direction	Bidirectional, SMP female to SMP male (Full detent)

Attenuation(dB)	1-10	20	30
Accuracy(dB)	±1.0	±1.0	±1.0

Mechanical & Environmental

Connector Body	Gold plated beryllium copper
Center Contact	Gold plated beryllium copper for female and male contacts
Substrate	Aluminum nitride
Resistor Material	Thin Film
Net Weight	Approx 3g
Operating Temperature	4 K to +125°C

Dimensions(mm)



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Model Description

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1.Code for connector configuration: A=female for two ends; B=male for two ends; C=female for one end and male for the other.

2.XX for dB value: 06=6dB,30=30dB

Note:

SMP male is full detent by default

SMP male limited detent available upon request, change P/N to RCA18SMPCL-XX