



2.92mm Fixed Attenuator, DC-40 GHz, 2 Watts For Cryogenic Application

Rev 1

Features

- Cryogenic Operation to < 4 K
- Field-Proven in Quantum Computing
- Precision Attenuation & Low VSWR up to 40 GHz
- Non-Magnetic and Nickel-Free Plating to Avoid Magnetic Noise
- Stable Attenuation Over Temp with Laser Trimmed Resistive Element

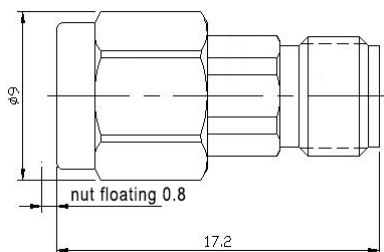
Electrical

Impedance	50 ohm		
Frequency Range	DC-40 GHz		
VSWR	1.25 max		
Input Avg Power	2W@ 25°C ambient, derating linearly to 0.2W at 100°C		
Peak Power	20W (5 micro-sec pulse width, 0.5% duty cycle)		
Attenuation(dB)	1-10	20	30
Accuracy(dB)	-0.7/+0.8	-0.8/+1.0	-0.8/+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)



Model Description

RCA40KC-XX

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