



BCV412 40 MHz – 12 GHz 2 A Bias Tee

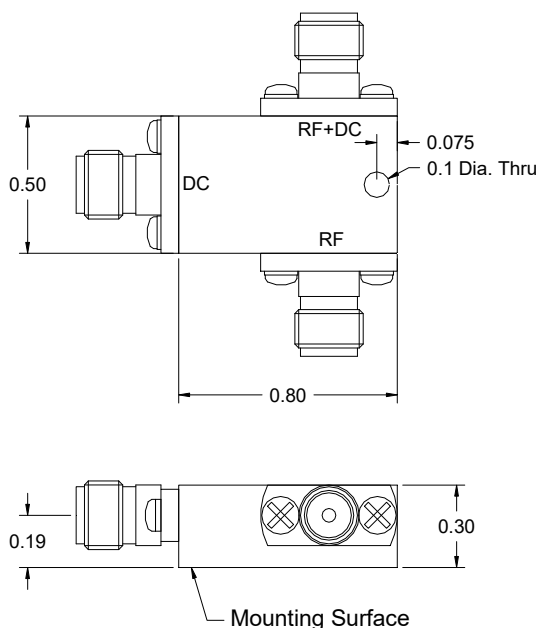
FEATURES

- ❖ High DC Voltage
- ❖ Low Insertion Loss
- ❖ Low VSWR
- ❖ Small Package



SPECIFICATIONS

40 MHz – 12 GHz 2 A Bias Tee	
Model Number	BCV412
Frequency Range	40 MHz – 12 GHz
DC Current	2 A Max.
DC Voltage	500 V
Insertion Loss	0.7 dB Typ., 1.0 dB Max.
RF Port VSWR	1.30:1 Typ., 1.35:1 Max.
RF+DC Port VSWR	1.30:1 Typ., 1.35:1 Max.
RF to DC Isolation	40 dB Typ., 30 dB Min.
RF Power Handling	5 Watt CW Max.
Impedance	50Ω Nom.
Standard Connector Type	RF & RF+DC: SMA female, DC: SMA female



Design to meet the following environmental ratings:
(verification optional)

1. Operating Temp: -55°C to +85°C
2. Storage Temp: -65°C to +125°C
3. Shock: MIL-STD-202F, M213, Cond B
4. Altitude: MIL-STD-202F, M105, Cond B
5. Vibration: MIL-STD-202F, M204, Cond B
6. Thermal Shock: MIL-STD-202F, M107, Cond A
7. Temp. Cycle: MIL-STD-202F, M105C, Cond D
8. Humidity: MIL-STD-202F, M103, Cond B
(Optional with Hysol seal)

Standard Finishing: Rugged Aluminum Housing.
Optional finishing with blue epoxy paint per MIL-C-22750 available on request.

Note:

1. Solder post at DC port available on request.
2. Other connector combination available on request
3. Power handling is tested at 2 GHz under the condition that the unit is mounted with excellent heat sink