



## **B7KH40B 100 KHz – 40 GHz 700 mA Bias Tee**

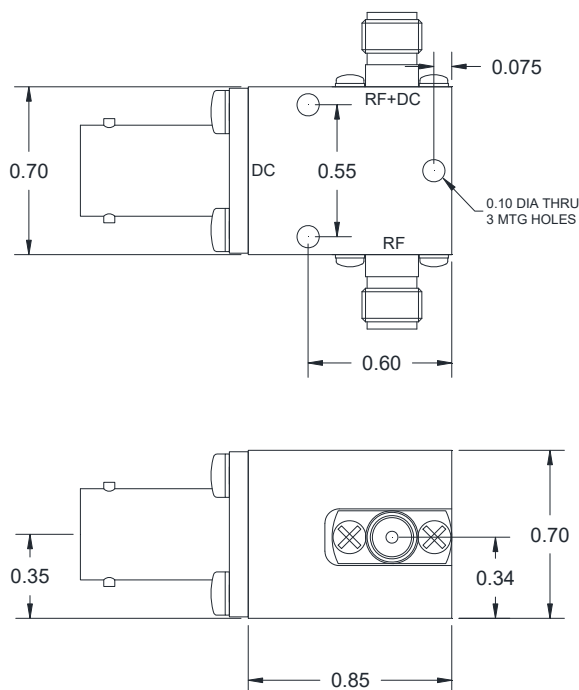
### **FEATURES**

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



### **SPECIFICATIONS**

<b>100 KHz – 40 GHz 700 mA Bias Tee</b>	
Model Number	B7KH40B
Frequency Range	100 KHz – 40 GHz
DC Current	700 mA Max.
DC Voltage	50 V
Insertion Loss	2.0 dB Typ., 2.5 dB Max.
RF Port VSWR	1.50:1 Typ., 1.70:1 Max.
RF+DC Port VSWR	1.50:1 Typ., 1.70:1 Max.
RF to DC Isolation	35 dB Typ., 28 dB Min.
RF Power Handling	2 Watt CW Max.
Impedance	50Ω Nom.
Standard Connector Type	RF & RF+DC: 2.92 mm female, DC: BNC 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
4. For the DC port with SMA connector, please use our model number B7KT40, which has the overall small size.