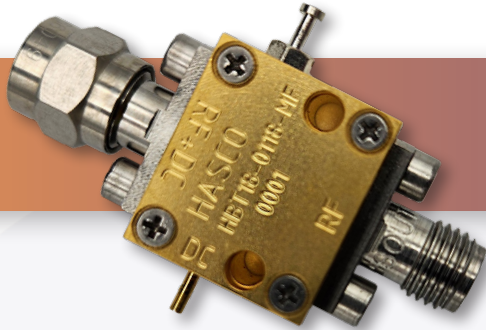


Part No:

HBT18-0118-MF



Bias Tee with SMA Female to SMA Male Connectors - 18 GHz

The HASCO **HBT18-0118-MF** is a 18 GHz Bias Tee with SMA Female to SMA Male connectors.

A bias tee is a three-port network used for setting the DC bias point of some electronic components without disturbing other components. The bias tee is a diplexer. The low-frequency port is used to set the bias; the high-frequency port passes the radio-frequency signals but blocks the biasing levels; the combined port connects to the device, which sees both the bias and RF. Properties that are important to a bias tee are RF bandwidth, insertion loss and mismatch at the two RF ports, the maximum DC current, and video bandwidth of the DC port.

Electrical

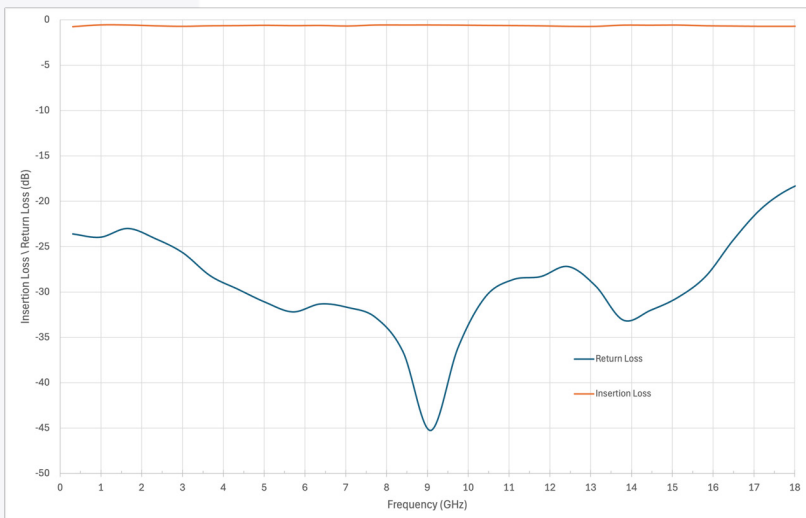
• RF Frequency Range	0.1 - 18 GHz
• DC Frequency Range	DC - 400 KHz
• Insertion Loss	1.25 dB
• Return Loss	-20 dB (0.1 - 12 GHz) -15 dB (12 - 18 GHz)
• VSWR	1.55:1 Max
• Voltage	35 V @ 250 mA

Environmental

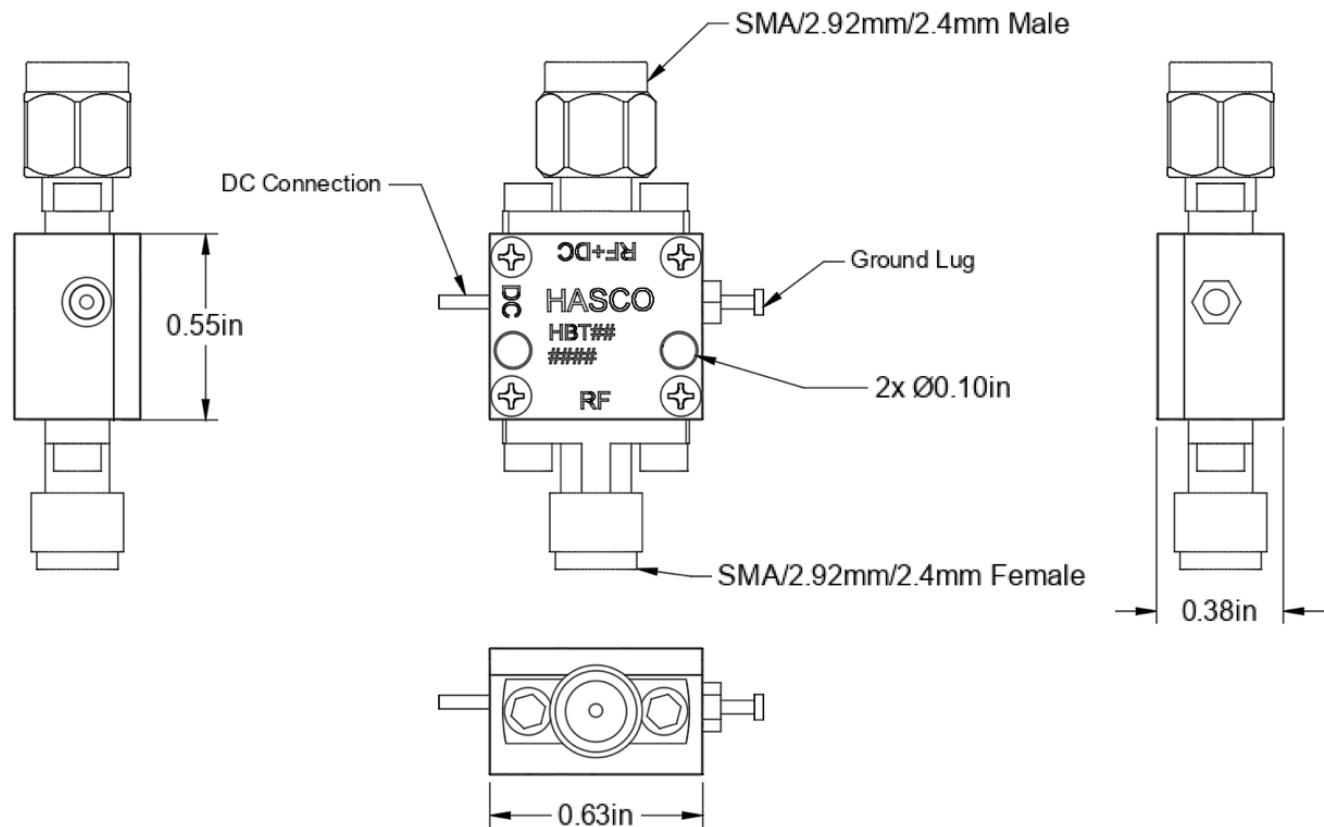
• Temperature Range	-55°C to 125°C
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Material

• Body	Gold plated Brass
• Dielectric	PTFE
• Center Contact	Gold plated BeCu



Bias Tee with SMA Female to SMA Male Connectors | 0.1 - 18 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	6/25	TC		APPROVED BY: TC
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MATERIALS: SEE DATA SHEET	CAGE CODE: OT8L4	SCALE: N/A	SIZE: A	
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. HBT18-0118-MF		REV: -	