

**SMA Bias Tee from 0.1 MHz to 12.4 GHz Rated to 700 mA and 50 Volts DC**
**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	0.0001		12.4	GHz
Impedance		50		Ohms
VSWR			1.6:1	
Insertion Loss			1.5	dB
RF to Bias Isolation	40			dB
DC Voltage			50	Vdc
DC Current			700	mA
Input Power (CW)			1	Watt

**Mechanical Specifications**
**Size**

Length	1.2 in [30.48 mm]
Width	0.63 in [16 mm]
Height	0.5 in [12.7 mm]
Weight	0.0417 lbs [18.91 g]

**Connectors**
**RF Connector**

Description	Connector
Type	SMA Female
Inner Conductor Material and Plating	Beryllium Copper, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel
Torque	8 in-lbs [0.9 Nm]

**RF/DC Connector**

Description	Connector
Type	SMA Female
Inner Conductor Material and Plating	Beryllium Copper, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel
Torque	in-lbs [0.9 Nm]

**DC Port**

Description	Connector
Type	Pin Female


**Configuration:**

- RF Port Connector: SMA Female
- DC/RF Port Connector: SMA Female
- DC Port Connector: Pin Female

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## Environmental Specifications

### Temperature

Operating Range -55 to +120 deg C

**Compliance Certifications** (see [product page](#) for current document)

## Plotted and Other Data

Notes:

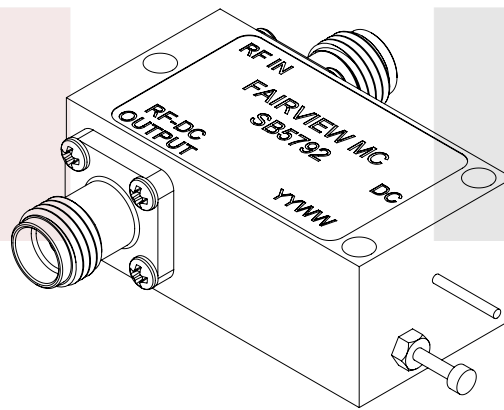
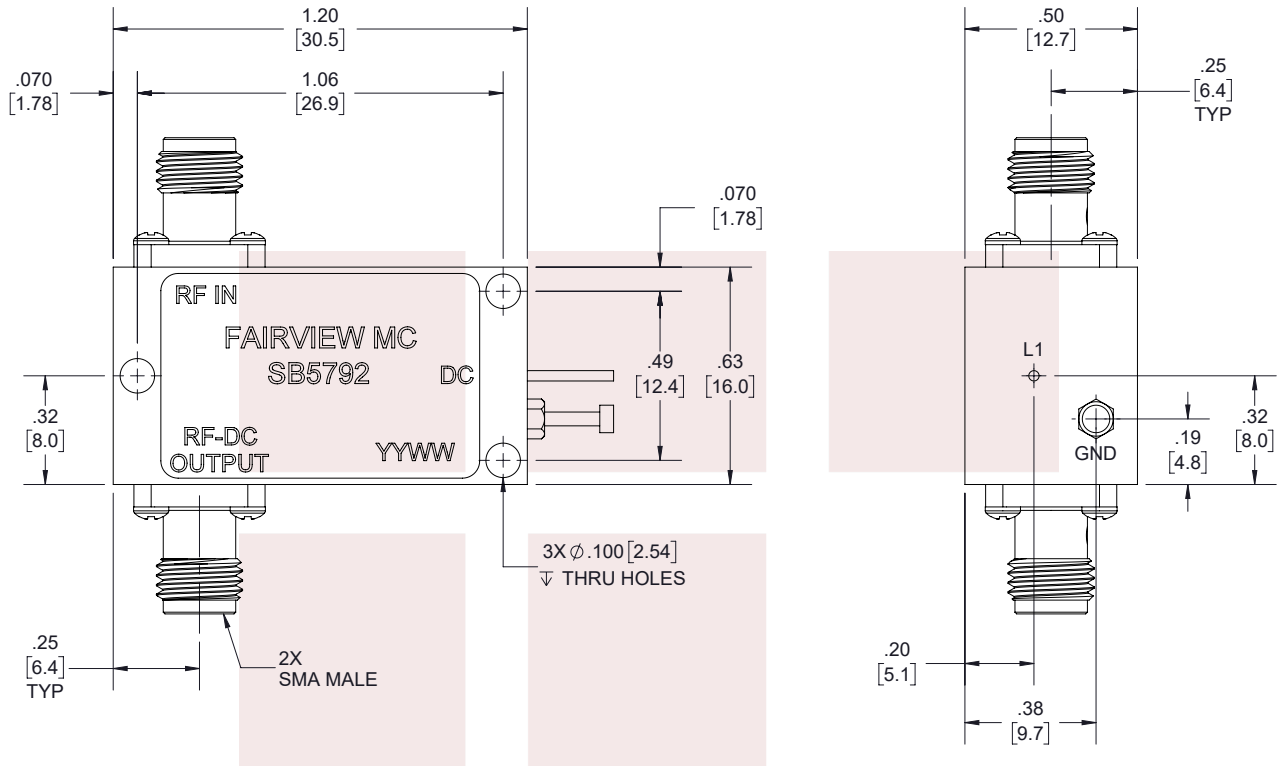
SMA Bias Tee from 0.1 MHz to 12.4 GHz Rated to 700 mA and 50 Volts DC from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Bias Tee from 0.1 MHz to 12.4 GHz Rated to 700 mA and 50 Volts DC SB5792](#)

URL: <https://www.fairviewmicrowave.com/sma-bias-tee-0.1-mhz-12.4-ghz-700-ma-50-volts-dc-sb5792-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR SB5792	3/31/2021	S.PONG



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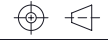
TITLE  
SMA Bias Tee from 0.1 MHz to 12.4 GHz Rated to 700 mA and 50 Volts DC

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X ± .2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX ± .02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX ± .005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. SB5792	REV A
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T-Rev.D