

For Immediate Release



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Note: if any of the pdf links do not work correctly due to files being updated, please access the current versions via the "Product Information" links which appears below.

TTE Filters to Launch "Bias Tees" at International Microwave Symposium

High Frequency, High Current and Standard Designs - to 40 GHz - for Signal Processing Applications

13 May 2015, Los Angeles, CA (USA) – TTE Filters, a US-based manufacturer of high-reliability RF filters and microwave filters for demanding communication and signal processing applications, will introduce a new line of **Bias Tees** at the upcoming International Microwave Symposium (**IMS2015**) being held in Phoenix, AZ on May 19-21, 2015. Please stop by TTE Filters booth #717 at IMS2015 for more information.

The **BTHF** (high frequency), **BTHC** (high current) and **BTS** (standard) bias tee series enhance the breadth and depth of RF and microwave solutions from TTE Filters. These new bias tee series are designed for use in biasing active antennas, amplifiers and laser diodes, and for DC blocking or return in broadband microwave, RF, data communication and ADC/DAC applications, including laboratory test systems. Relevant markets include commercial, industrial, medical, military/defense and test & measurement.

These TTE series are designed to provide very low insertion loss, minimal return loss, desirable VSWR characteristics and extremely flat gain response over the series-specific frequency ranges. They are manufactured using high-quality components and processes to deliver superior broadband performance.

Frequency ranges addressed by each series include: 10 MHz to 40 GHz (BTHF Series); 500 MHz to 4 GHz (BTHC Series); and 10 MHz to 18 GHz (BTS Series). The BTHC high current series is specifically designed to handle currents to 7 A DC.

All series have an operating temperature range of -55°C to +100°C, are matched to 50 Ohms and measured in a 50 Ohm test set-up, and are available as RoHS-compliant parts (upon request at time of order). Most of the series are manufactured with SMA female connectors. Please contact TTE for other options & custom designs.

“We are excited to introduce this new line of bias tees in response to customer requests and we look forward to adding more new products in keeping with our goal to be a more comprehensive supplier of RF and microwave products to the market”, said David Zvac, Sales Manager at TTE Filters.

continued next page

continued from previous page

A Summary Data Table for TTE's Bias Tee Series is provided below. Complete technical information is available at the company's website per links below.

- **Bias Tee Series Overview:** <http://tte.com/products/bias-tee/>
- **BTHF Series**
 - **Product Information:** <http://tte.com/products/bias-tee/high-frequency/>
 - **Datasheet:** http://tte.com/wp-content/uploads/TTE_BTHF_Datasheet.pdf
- **BTHC Series**
 - **Product Information:** <http://tte.com/products/bias-tee/high-current/>
 - **Datasheet:** http://tte.com/wp-content/uploads/TTE_BTHC_Datasheet.pdf
- **BTS Series**
 - **Product Information:** <http://tte.com/products/bias-tee/standard/>
 - **Datasheet:** http://tte.com/wp-content/uploads/TTE_BTS_Datasheet.pdf

Summary Data Table for TTE Filters Bias Tees

TTE Filters Bias Tee Part Number	Frequency Range (GHz)	Insertion Loss Typ (dB)	Return Loss Min (dB)	VSWR Min	DC Port Isolation Min (dB)	DC Current Max (mA)
<i>BTHC*-4G</i>	<i>0.5 - 4</i>	<i>0.7</i>	<i>15</i>	<i>1.5 : 1</i>	<i>25</i>	<i>7000</i>
<i>BTS*-5G</i>	<i>0.01 - 5</i>	<i>0.7</i>	<i>15</i>	<i>1.5 : 1</i>	<i>25</i>	<i>1000</i>
<i>BTS*-11G</i>	<i>0.01 - 11</i>	<i>0.7</i>	<i>15</i>	<i>1.5 : 1</i>	<i>25</i>	<i>1000</i>
<i>BTS*-18G</i>	<i>0.01 - 18</i>	<i>0.7</i>	<i>15</i>	<i>1.5 : 1</i>	<i>25</i>	<i>500</i>
<i>BTHF*-27G</i>	<i>0.01 - 27.5</i>	<i>1.3</i>	<i>15</i>	<i>1.5 : 1</i>	<i>25</i>	<i>500</i>
<i>BTHF*-40G</i>	<i>0.01 - 40</i>	<i>1.5</i>	<i>12</i>	<i>1.7 : 1</i>	<i>25</i>	<i>250</i>

**For RoHS compliant, insert "R" in place of asterisk. Example: BTHCR-4G*

Bias t's are utilized to introduce (or remove) DC current or voltage into (or out of) an RF circuit without impacting the RF signal. For technical assistance, pricing, application-specific requirements, or other information please contact TTE at +1-716-228-0128 or tte@tte.com. TTE's products are made in the USA. Application-specific designs are made to order. Typical delivery is 2-3 weeks; expedited lead time of 3-5 days is available on many products.

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