

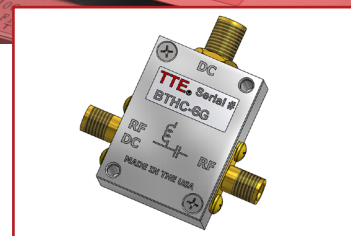
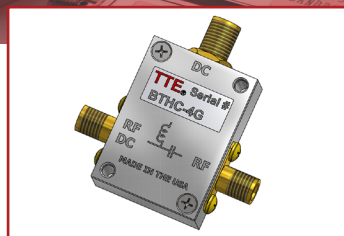
BTHC Series



Broadband, Connectorized

Frequency Range 20 MHz to 6 GHz

Application-Specific Designs



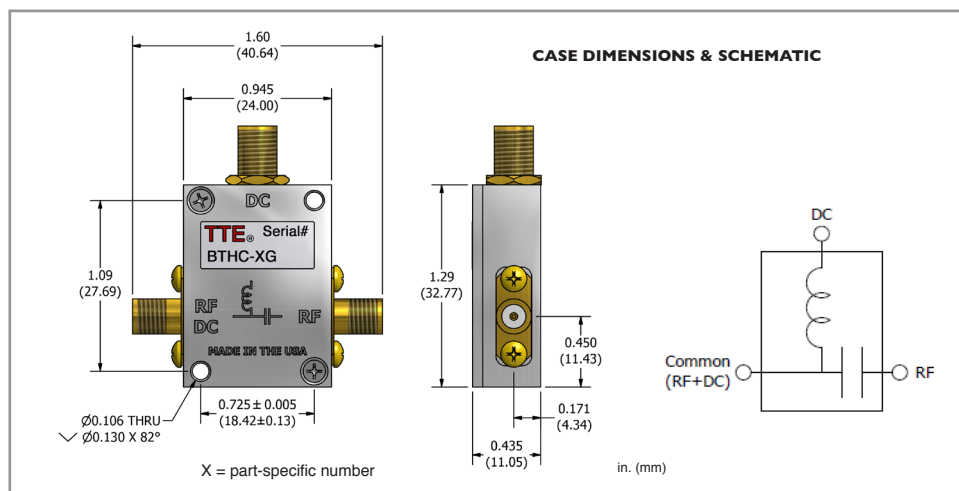
PART NUMBER	INSERTION LOSS (dB)		DC PORT ISOLATION (dB)		RETURN LOSS (dB)		VSWR		DC CURRENT (mA) MAX	DC VOLTAGE (V DC) MAX	DC RESISTANCE (mΩ) MAX
	TYP	MAX	MIN	TYP	MIN	TYP	MIN	TYP			
FREQUENCY RANGE: 500 MHz - 4 GHz											
BTHC*-4G	0.7	1.0	25	30	15	20	1.5:1	1.2:1	7000	50	19
FREQUENCY RANGE: 20 MHz - 6 GHz											
BTHC*-6G	0.7	1.0	30	35	15	18	1.4:1	1.29:1	3000	50	30

Note: 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.

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

TTE designates a component RoHS-compliant by adding "R" (RoHS) within the part number.

These RoHS components meet the $\leq 0.1\%$ lead requirement.



NOTES:

- Designed for high current capabilities to 7 A DC
- Superior broadband performance achieved with high-quality components and manufacturing processes
- Very low insertion loss for entire bandwidth (< 1dB)
- Minimal return loss and VSWR characteristics across frequency range
- Matched to 50Ω and measured in a 50Ω test set-up
- Extremely flat gain response (no "suck-out") over frequency range
- Provided with SMA female connectors; contact factory for additional options
- Operating temperature range: -55°C to +100°C

**The BTHC series was expanded since its introduction in early 2015.
The BTHC-6G part was added to provide a frequency range to 6 GHz.**