



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Frequency Range:	50		6000	MHz
Insertion Loss:				
50 MHz – 1 GHz		0.1	0.3	dB
1 GHz – 2 GHz		0.3	0.5	dB
2 GHz – 4 GHz		1.0	2.0	dB
4 GHz – 6 GHz		2.0	3.0	dB
Isolation (RF to DC Port):				
50 MHz – 1 GHz		50	35	dB
1 GHz – 2 GHz		30	25	dB
2 GHz – 4 GHz		25	20	dB
4 GHz – 6 GHz		22	20	dB
Bias Path Resistance:		0.03	0.05	Ω
Maximum Ratings:				
RF Power:			2	W
DC Port Voltage:			15	V
Input Current:			1	Amps
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

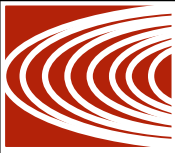
Features:

- Low Insertion Loss, 0.5 dB Typical at 2 GHz
- Wideband operation, 50 to 6000 MHz
- High Isolation, 35 dB Typical at 1 GHz



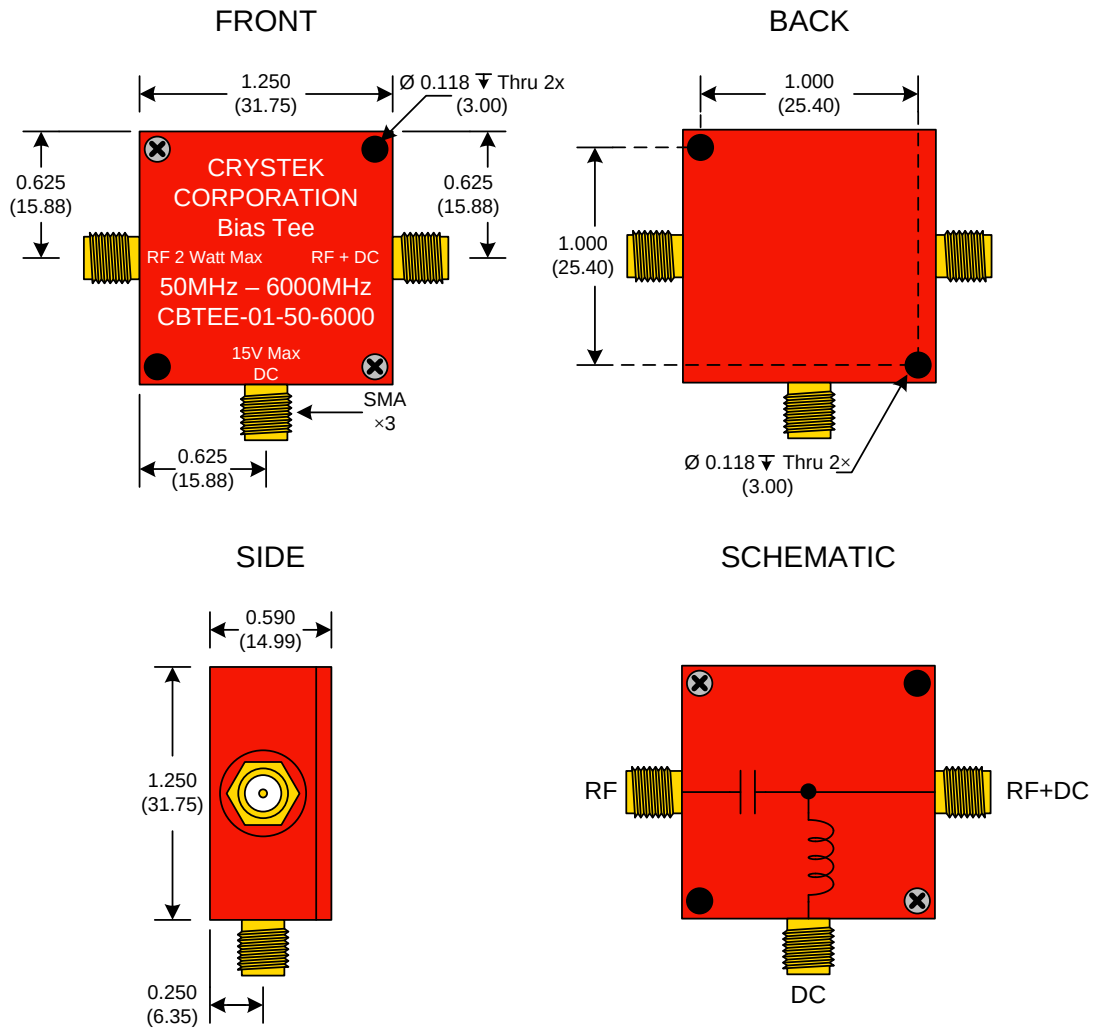
Product Control:

Crystek Part Number:	CBTEE-01-50-6000	Release Date:	24-Jun-2014
Revision Level:	A	Responsible:	C. Vales



CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox BIAS TEE
CBTEE-01-50-6000



● Unless otherwise specified, Dimensions are in: $\frac{IN}{(mm)}$

Product Control:

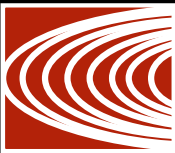
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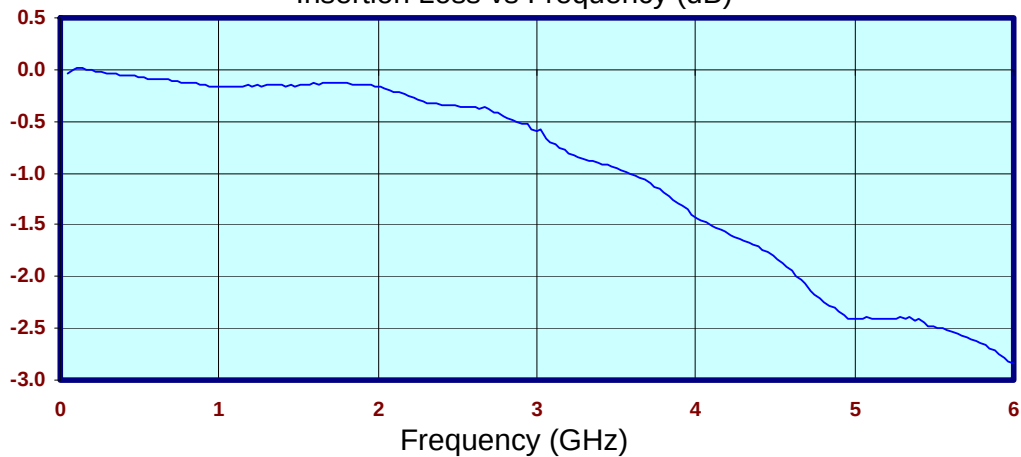


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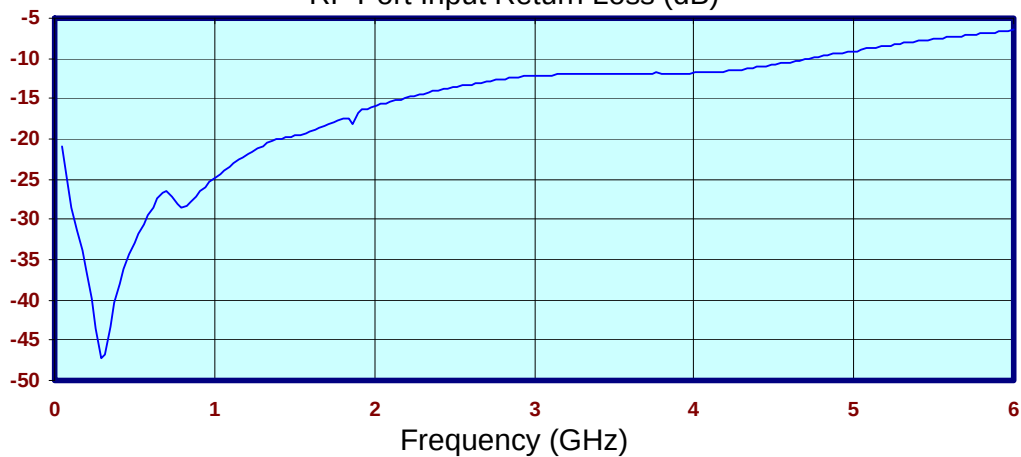
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PHONE: 239-561-3311 • 800-237-3061
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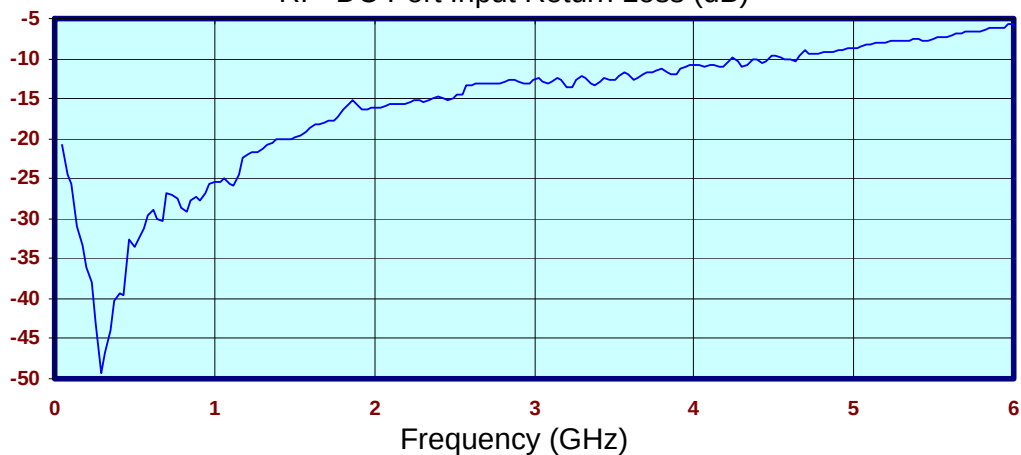
Insertion Loss vs Frequency (dB)



RF Port Input Return Loss (dB)



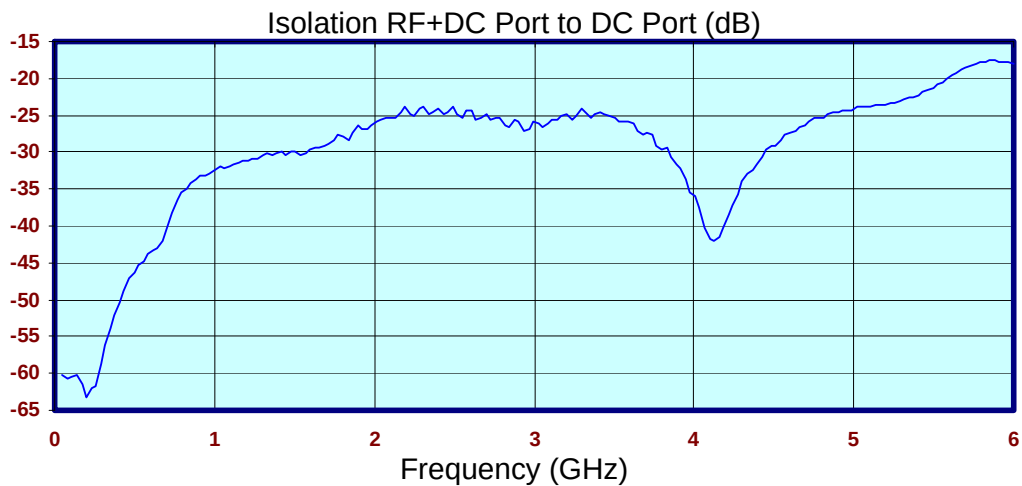
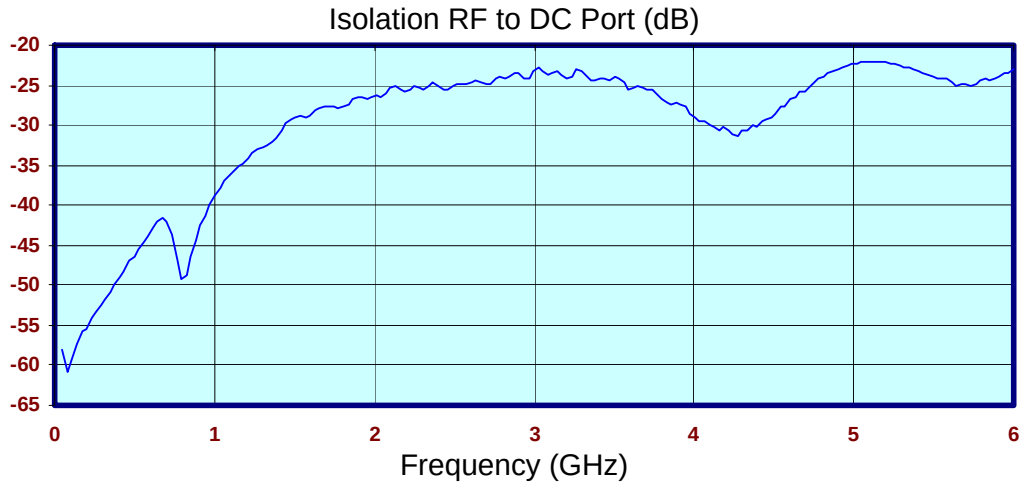
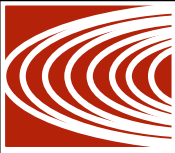
RF+DC Port Input Return Loss (dB)



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