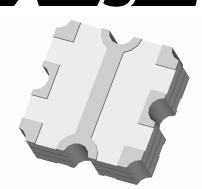


SMT Crossover



Description

The X2BS is a low profile crossover to intersect an RF and RF circuit trace in an easy to use surface mount package designed for frequencies up to 6 GHz. The X2BS is ideal for any application where an RF circuit must intersect with another RF circuit without resorting to a multilayer PCB. Parts have been run through rigorous qualification testing and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates such as FR4, G-10 and polyamide.

ELECTRICAL SPECIFICATIONS**

Features:		Frequency	Port Impedance	Return Loss	Isolation
• DC – 6.0	GHz	GHz	Ohms	dB Min	DB Min
	Crossover	DC – 2.5	50	20	50
 Low Los High Iso 		2.5 – 3.6	50	18	30
ringii 100	Mountable	3.6 - 6.0	50	15	20
Tape An	d Reel	Insertion Loss	Power	ΘJC	Operating Temp.
	ent Package	dB Max	Watts	<i>⁰C / Watt</i>	°C
100% TesteLead Free		0.05	30	143.4	-55 to +85
		0.10	15	143.4	-55 to +85
		0.20	10	143.4	-55 to +85

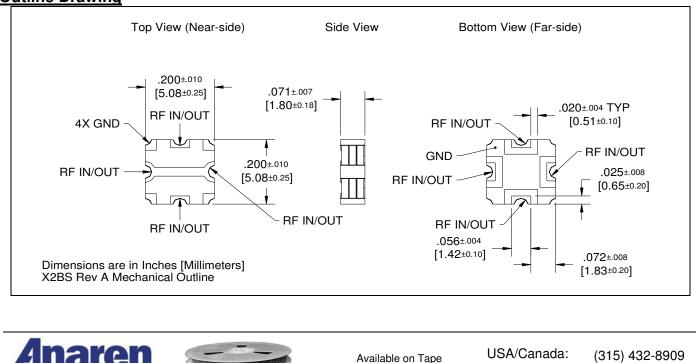
**Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Specifications subject to change without notice.

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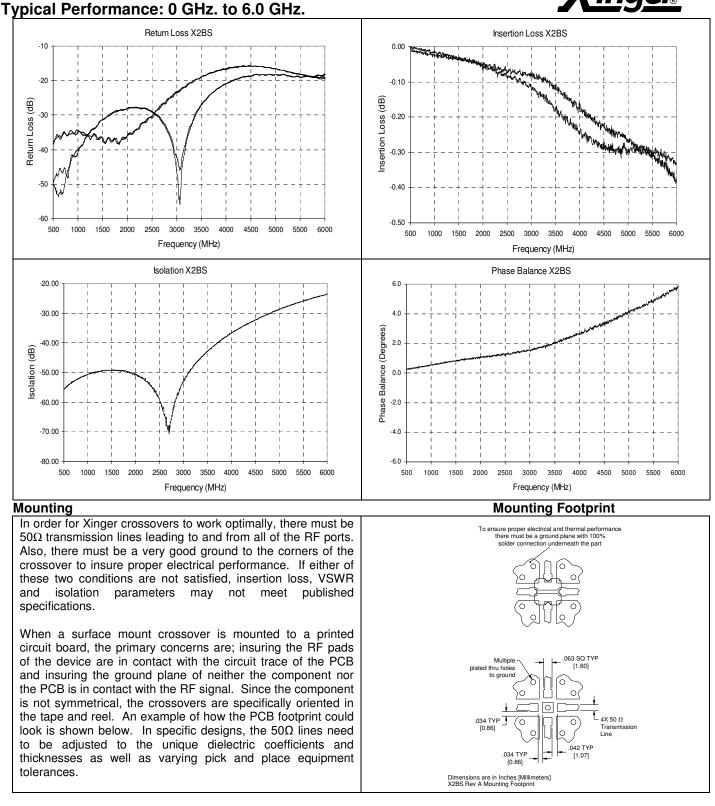
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