

TECHNICAL FEATURE

FEATURES

- 1.7 - 2.0 GHz
- Low Loss
- Multiple Plating Options
- Space Qualified Version Available
- Excellent Coupling Accuracy
- Surface Mount

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Mean Coupling dB	Insertion Loss dB Max.	Frequency Sensitivity dB Max.	VSWR, Max. All Ports	Directivity dB Min.	Input Power Max.
CSDZ-5BH-1.9G	1.7 - 2.0	5.0 ± 0.5	0.15	±0.15	1.25:1	18	450 Watts

GENERAL NOTES

The Multi-Mix® CSDZ series provides 5 dB coupling at 1.7 - 2.0 GHz. The CSDZ series features accurate coupling factors, low VSWR, and high directivity. The CSDZ series is ideal for use in RF sampling networks and control circuitry in high power applications.

CSDZ directional couplers are based on fusion bonded multilayer stripline structures. The fusion bonding process yields homogeneous monolithic dielectric structures with reliability, ruggedness, and electrical and thermal performance that are superior to conventional adhesive bonding techniques.

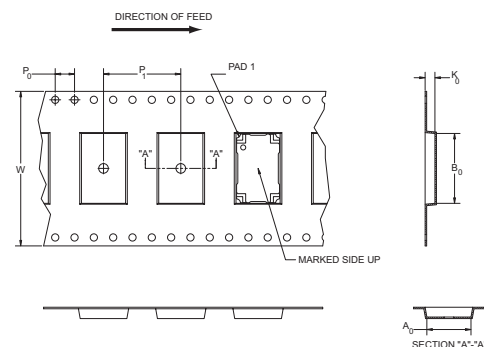
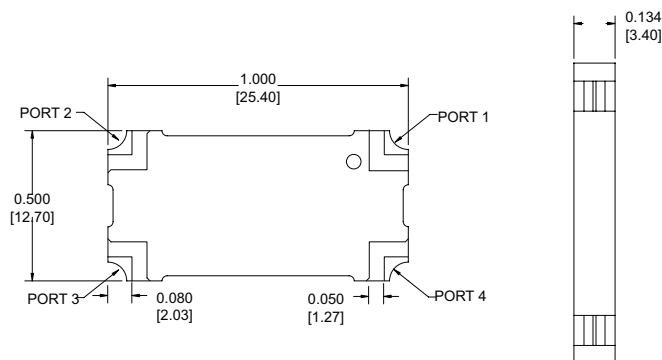
GENERAL SPECIFICATIONS

Size 1.00" x 0.5" x 0.0134"
 Weight, max..... 0.08 oz. (2.34 g)
 RF Interface..... Leadless Surface Mount
 Operating Temperature..... -55° to +95° C

TRUTH TABLE

	1	2	3	4
1	Input	Isolated	Output	Coupled
2	Isolated	Input	Coupled	Output
3	Output	Coupled	Input	Isolated
4	Coupled	Output	Isolated	Input

PACKAGE OUTLINE / TAPE & REEL ORIENTATION

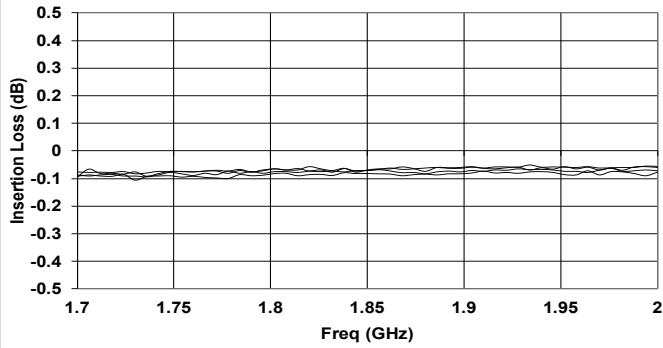


NOTES: Dimensional tolerance as shown: +/- .005"
 Thickness tolerance: +/- .009"

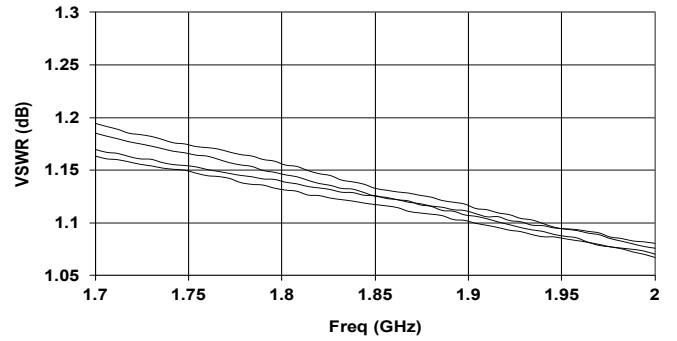
	W	P ₁	P ₀	A ₀	B ₀	K ₀
ENGLISH (in)	1.732	0.63	0.157	0.512	1.012	0.144
METRIC (mm)	44.00	16.00	4.00	13.00	25.70	3.67

COUPLER - CSDZ-5BH-1.9G

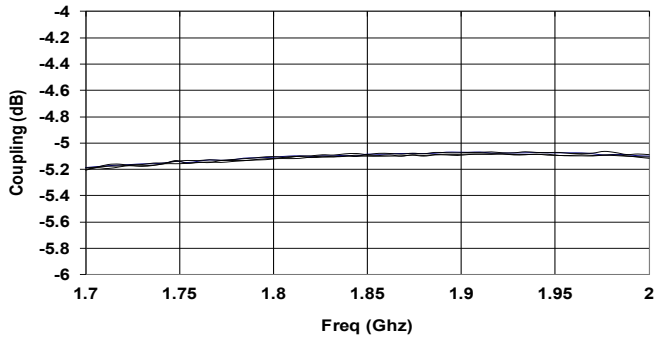
INSERTION LOSS



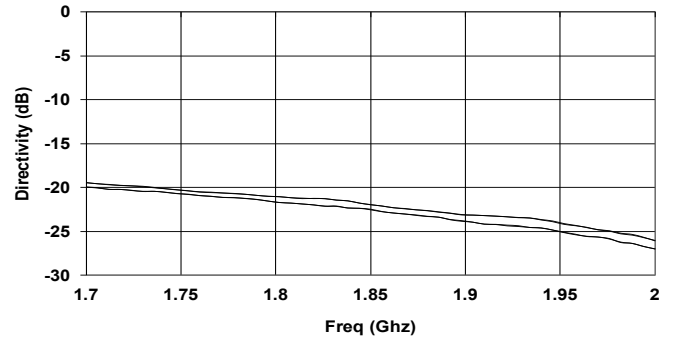
VSWR



COUPLING



DIRECTIVITY



MOUNTING GUIDELINES

