



# COUPLER

## CSD-12.5SP-2.15G SQ



### TECHNICAL FEATURE

#### FEATURES

- 1.5 - 2.8 GHz
- Low Loss
- Multiple Plating Options
- Surface Mount

#### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Mean Coupling dB	Insertion Loss dB Max.	Frequency Sensitivity dB Max.	Return Loss, dB Min. All Ports	Directivity dB Min.	Input Power Max.
CSD-12.5SP-2.15G	1.5 - 2.8	12.5 $\pm$ 1	0.5	$\pm$ 1	20	20	1 Watt

#### GENERAL NOTES

The Multi-Mix® CSD series provides 12.5 dB coupling at 1.5 - 2.8 GHz. The CSD series features accurate coupling factors, low VSWR, and high directivity. The CSD series is ideal for use in RF sampling networks and control circuitry in high power applications.

CSD 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 ..... 1.16" x .203" x 0.026"  
Weight, max..... 0.028 oz. (0.794 g)  
RF Interface.....Leadless Surface Mount  
Operating Temperature.....-55° to +85° C

#### PACKAGE OUTLINE

