

IPS Series Two Way

6dB Thick Film Resistive Power Splitter

Data Sheet | ver. B 1/2018

RoHS Sn62 NON-MAG BONDABLE

The IPS 6dB power splitters were created specifically for applications requiring a low loss split over a broad frequency range. Device construction is surface mountable microstrip or SMT on alumina and the device is fully symmetric.



FEATURES

ITEM	SPECIFICATION
Attenuation (by design):	6dB each output
Attenuation Accuracy (by design):	±0.5dB
Operating Frequency ¹ :	DC to 20GHz
Input Power Rating ² :	1W
Load Power Rating ² :	0.5W
Operating Temperature:	-55°C to 150°C
VSWR (Max) ¹ :	1.3:1
Impedance:	50Ω or 75Ω in/out standard
Architecture:	Thick Film on 96% Alumina
Dimensions:	0.098" x 0.098" x 0.020" Max

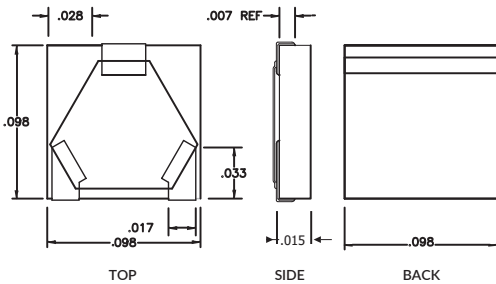
	PtAg ✓	PtAg w Sn62 ✓	PtAg w Sn96 ✓	ULR PtAg ✓	ULR PtAg w Sn62 ✓	ULR PtAg w Sn96 ✓	Au ✓
WA	2346	2528	2640	2656		2649	
PW					2669		
SS	2541 2668	2645					
SB	2290						2331

WA = Wraparound, PW = Partial Wrap, SS = Single Sided, SB = Single Sided w/ Backplane

1. Device will operate to 20GHz and above when mounted in an appropriately designed circuit exhibiting VSWR and amplitude balance, whose magnitude depends on the quality and integrity of the match and other circuit dependent parameters. 2. Baseplate temperature 100°C or less.

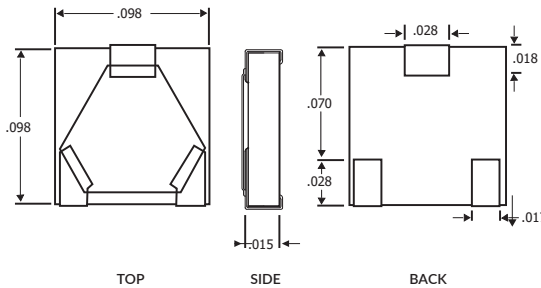
DIMENSIONS

IPS 2669 (PW)

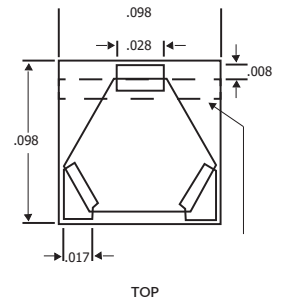


2669 - Orientation mark on back plane.

IPS2346, IPS2528, IPS2640 (WA)



IPS2290, IPS2331, IPS2541, IPS2668³ (SS/SB)



3. IPS2668 = IPS2541 plus orientation stripe on backside.

ORDERING INFORMATION

Example: IPS2290-C

IPSXXXX - C

Part #

2290 2331 2346
2528 2541 2640
2645 2649 2656
2668

C= 50Ω Impedance
D=75Ω Impedance

Packaging: B=Bulk, T=Tape and Reel, U=Upside Down
RoHS Compliant = ✓

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