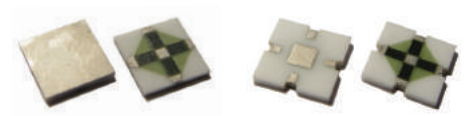


IPS Series Three Way

9.5dB Thick Film Resistive Power Splitter

RoHS Sn62 NON-MAG BONDABLE

The IPS 9.5dB power splitters are a simple, low-profile, space saving alternative to softboard solutions. They are ideal for nearly any application under 7GHz. Circuit construction is microstrip or SMT on alumina and the device is fully symmetric.



Microstrip Version

SMT Version

FEATURES

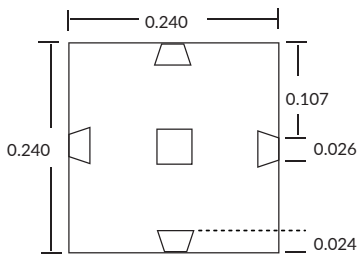
ITEM	SPECIFICATION
Attenuation (by design):	9.5dB each output
Attenuation Accuracy (by design):	±0.7dB
Operating Frequency ¹ :	DC to 7GHz
Input Power Rating ² :	3W
Load Power Rating ² :	1W
Operating Temperature:	-55°C to 150°C
VSWR (Max) ¹ :	1.3:1
Impedance:	50Ω or 75Ω in/out standard
Architecture:	Thick Film on 96% Alumina
Dimensions:	0.270" x 0.270" x 0.035" Max

IPS2480-X	Microstrip
Terminal Material:	Gold
Attachment:	Gold wire bondable
Size:	0.240"L x 0.240"W x 0.035"H Max ³
IPS2481-X	Microstrip
Terminal Material:	Platinum Silver
Attachment:	Solder or Epoxy
Size:	0.240"L x 0.240"W x 0.035"H Max ³
IPS2521-X	SMT
Terminal Material:	Platinum Silver
Attachment:	Solder or Epoxy
Size:	0.270"L x 0.270"W x 0.035"H Max ³

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. 3. Contact factory for detailed dimensional information. Contact factory for other power ratios.

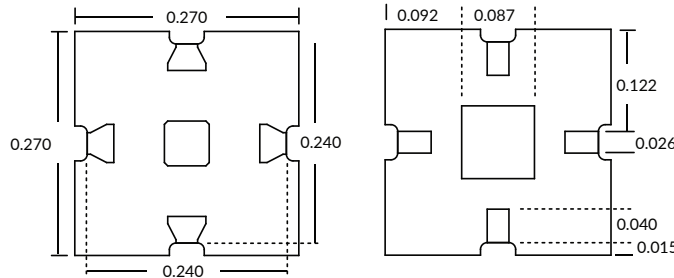
DIMENSIONS

IPS2480, IPS2481



TOP

IPS2521



TOP

BACK

ORDERING INFORMATION

Example: IPS2480-C

IPSXXXX - C

Part #

2480 2481 2521

C= 50Ω Impedance
D=75Ω Impedance

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

RoHS Sn62 NON-MAG BONDABLE

IPS Series Three Way

9.5dB Thick Film Resistive Power Splitter

Data Sheet | ver. B 1/2018

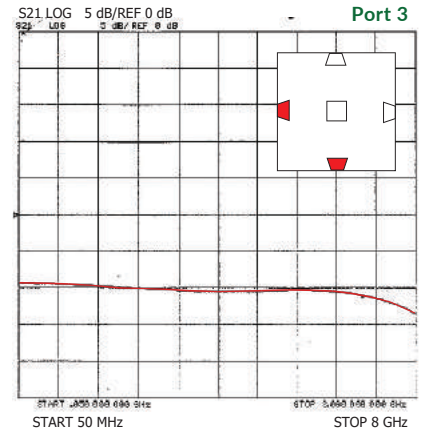
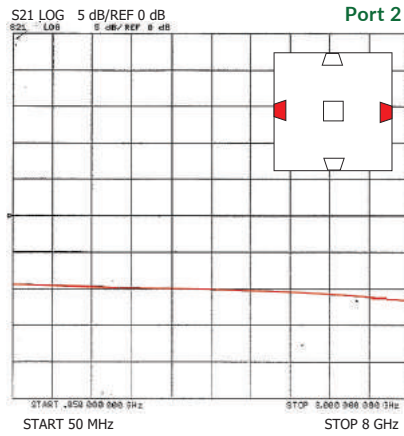
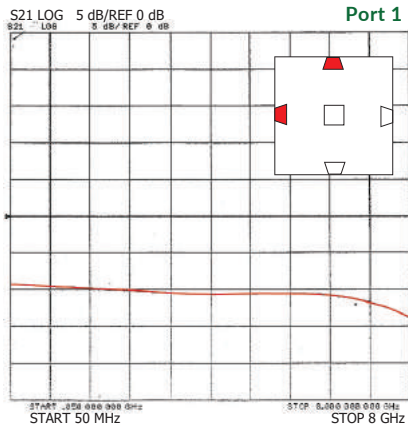
RoHS

Sn62

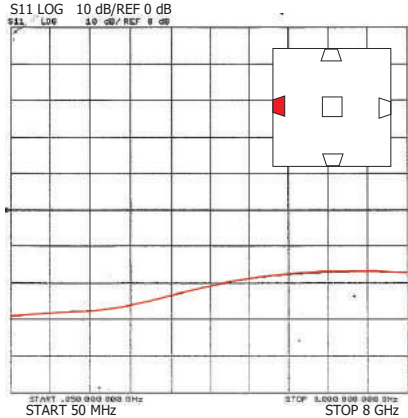
NON-MAG

BONDABLE

AMPLITUDE RESPONSE



RETURN LOSS



The curves illustrate the frequency response of the IPS2481 splitter. The unit was tested in a matched continuous 50 ohm alumina fixture which incorporated microstrip to coax transitions.