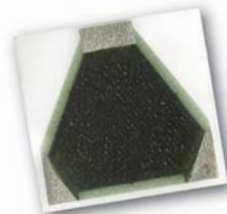


IPS Series 6dB Thick Film Resistive Power Splitter

The IMS 6dB power splitters were created specifically for applications that are too sensitive for off-the-shelf components. Device construction is surface mountable microstrip on alumina.

The core design may be adapted to individual requirements upon request. Please contact factory for other impedances or power ratios.



IPS2290

Device Style: Single-Sided with Backplane
Terminal Material: Platinum Silver
Attachment: Solder or Epoxy

IPS2331

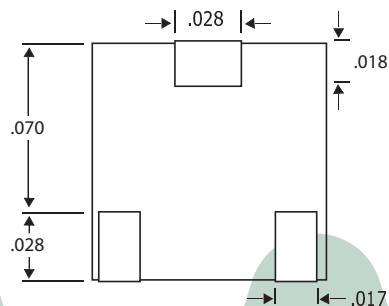
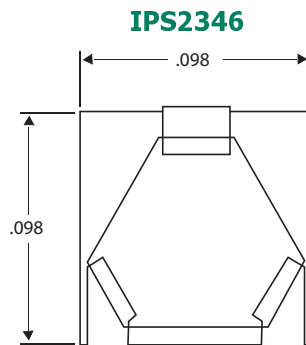
Device Style: Single-Sided with Backplane
Terminal Material: Gold
Attachment: Au Wirebond to top terminals

IPS2346

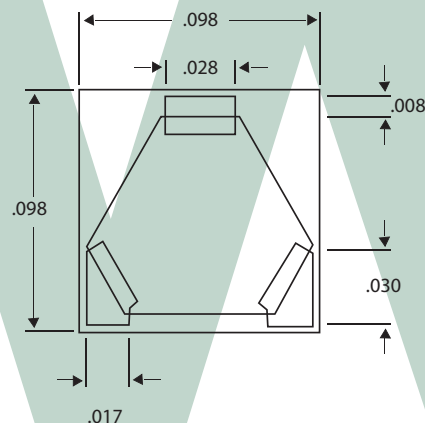
Device Style: Wraparound, no Backplane
Terminal Material: Platinum Silver
Attachment: Solder or Epoxy

IPS2541

Device Style: Single-Sided, no Backplane
Terminal Material: Platinum Silver
Attachment: Solder or Epoxy



IPS2290 IPS2331 and IPS2541



IPS Series Specifications

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

Ordering Information

IPS2290-C (Sample P/N)

IPSXXXX-C

Part #

C = 50Ω Impedance

D = 75Ω Impedance

* 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.

** Baseplate temperature 100°C or less

6dB
Even Split

1W
Input Power

0.5dB
Accuracy



ims International
Manufacturing
Services, Inc.

Tel (401) 683-9700
Fax (401) 683-5571
e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

impossible made simple