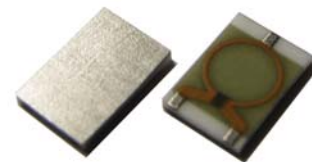


# Thick Film C-Band Two Way Wilkinson Power Divider

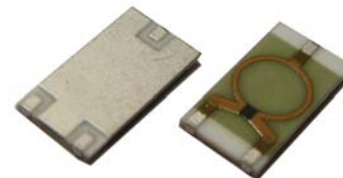
The IMD2365 and IMD2435 thick film Wilkinson power dividers are designed for 6GHz center frequency with a 20% bandwidth.

Alumina construction and high conductivity proprietary conductive films provide for a compact low loss device, which exhibits a high level of unit-to-unit performance repeatability.

Generally, center frequency determines the size and the insertion loss of these devices.



IMD2365 MICROSTRIP VERSION

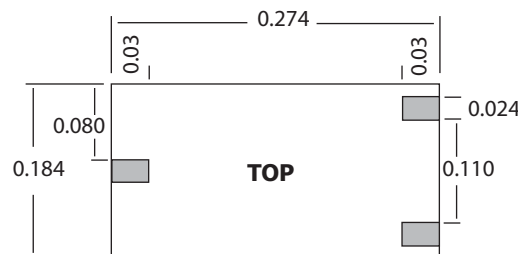


IMD2435 SMT VERSION

## IMD2365 Divider Specifications

Configuration:	Microstrip
Impedance:	50Ω Nominal
Bandwidth:	20% Typical
Input Power:	20W <sup>1</sup>
Dimensions:	0.274"L x 0.184"W x 0.035"H Max
Loss (this page):	0.5dB or better
Isolation (page 2):	20dB or better
Phase delta (page2):	~3°

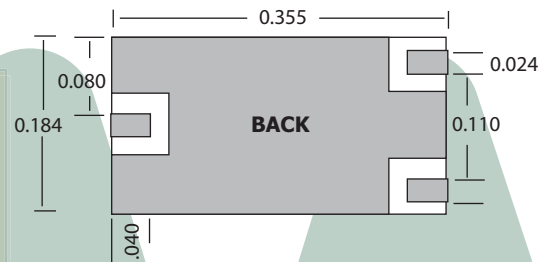
## Dimensions IMD2365 (in inches)



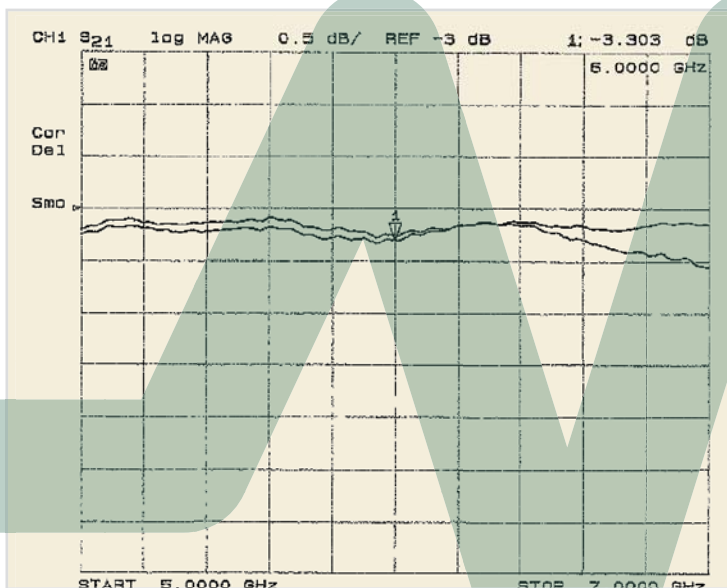
## IMD2435 Divider Specifications

Configuration:	SMT with backplane
Impedance:	50Ω Nominal
Bandwidth:	20% Typical
Input Power:	20W <sup>1</sup>
Dimensions:	0.355"L x 0.184"W x 0.035"H Max
Loss (this page):	0.5dB or better
Isolation (page 2):	20dB or better
Phase delta (page2):	~3°

## Dimensions IMD2435 (in inches)



## 6GHz Wilkinson Insertion Loss



1. With 100°C baseplate
2. Depending on board and circuit architecture

**6GHz  
Center  
Frequency**

**1.2:1  
Max Output  
VSWR<sup>2</sup>**

**Low Loss**

**20%  
Bandwidth**

**20W  
Rated Power**

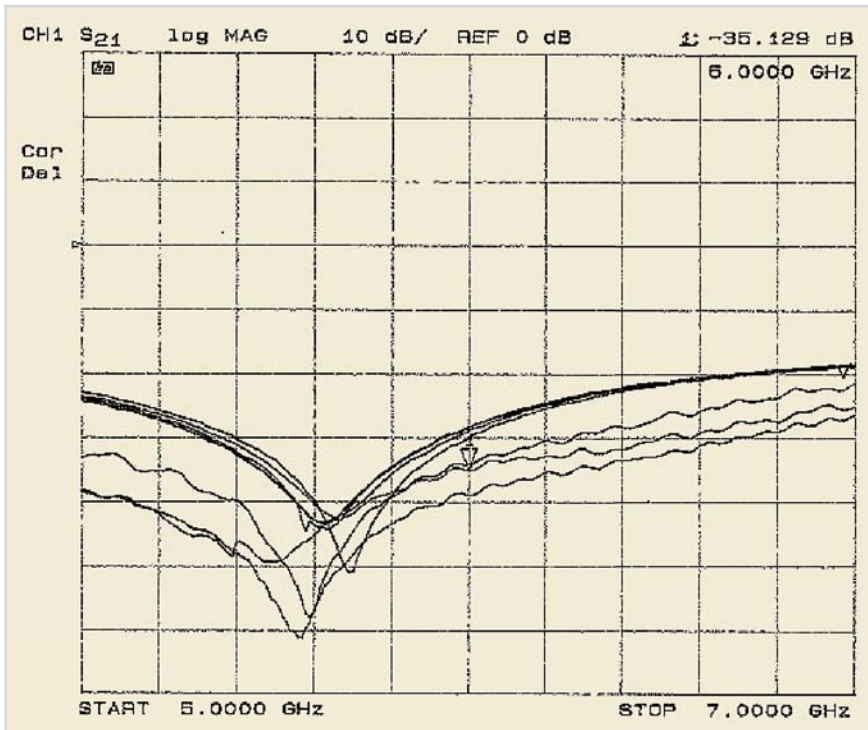
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<http://www.ims-resistors.com>

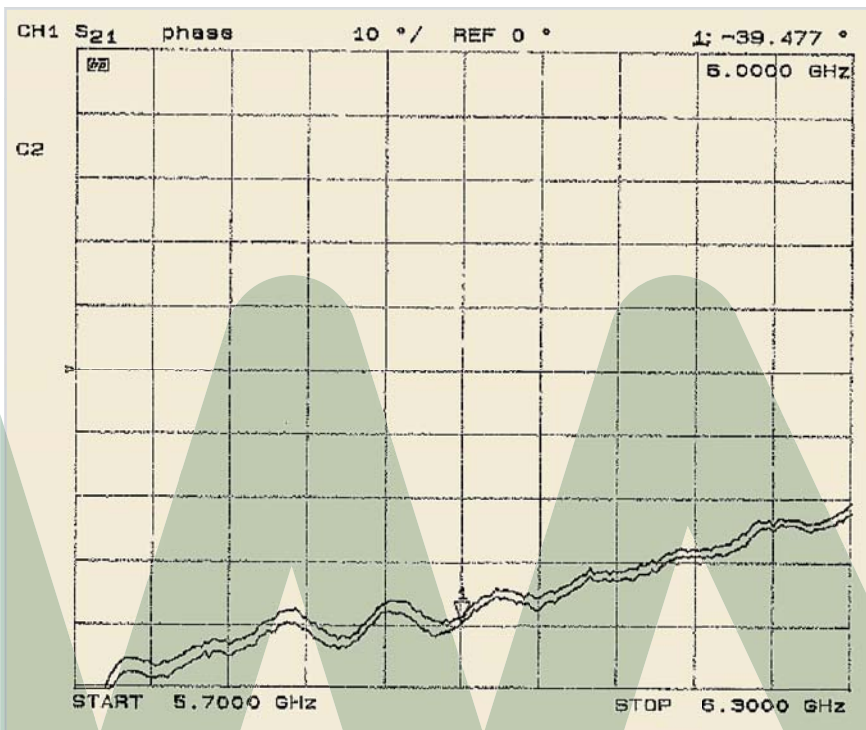
**impossible made simple™**

Ver 2 10/2009 Specifications Subject to Change Without Notice

## 6GHz Wilkinson Input Isolation



## 6GHz Wilkinson Phase Differential



*See additional IMS Wilkinson dividers on separate data sheets.*

*IMS has developed many SMT and Microstrip Wilkinson Dividers with various center frequencies from UHF to K Band.*

*See our website [www.ims-resistors.com](http://www.ims-resistors.com) for other options or contact our factory with your requirements!*

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