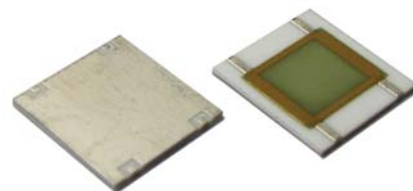


Thick Film C-Band Two Way Quadrature Power Divider

These compact, robust and low profile 'branchline' devices are thick film on alumina construction and are available in microstrip or SMT architectures in a multitude of center frequencies.

IMS is able to design additional devices to user specifications. Size and insertion loss are generally determined by center frequency.

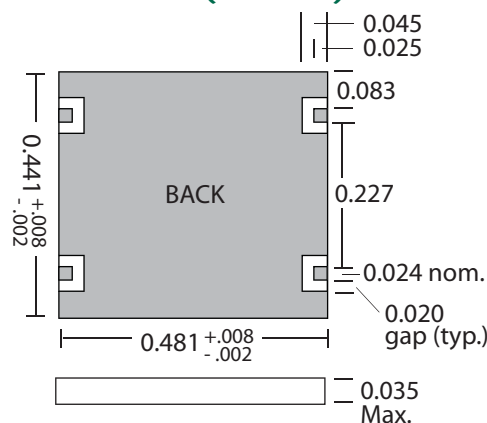
High conductivity metals and alumina substrate provide for a very low insertion loss compared with other architectures.



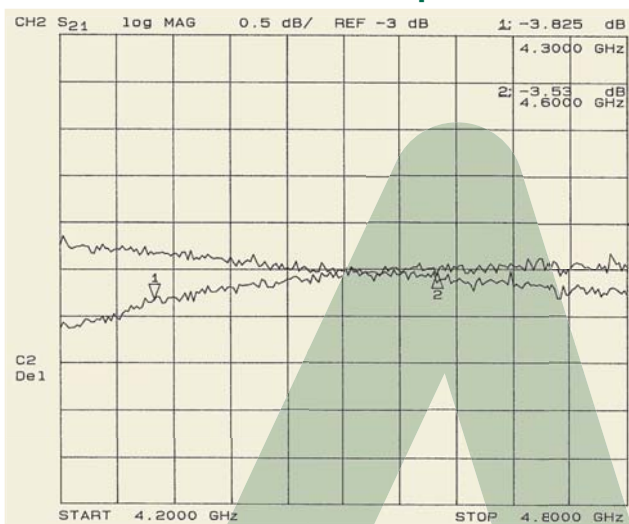
IMD2403 - 4.5GHz Quadrature Specifications

Configuration:	SMT with backplane
Bandwidth:	10%
VSWR:	1.25:1*
Input Power:	20W**
Typical Insertion Loss:	0.4dB
Input Isolation:	15dB or more
Phase Delta:	~3°
Construction:	Thick Film on 0.025" Alumina
Impedance:	50Ω nominal
Dimensions:	0.481"L x 0.441"W x 0.035"H Max

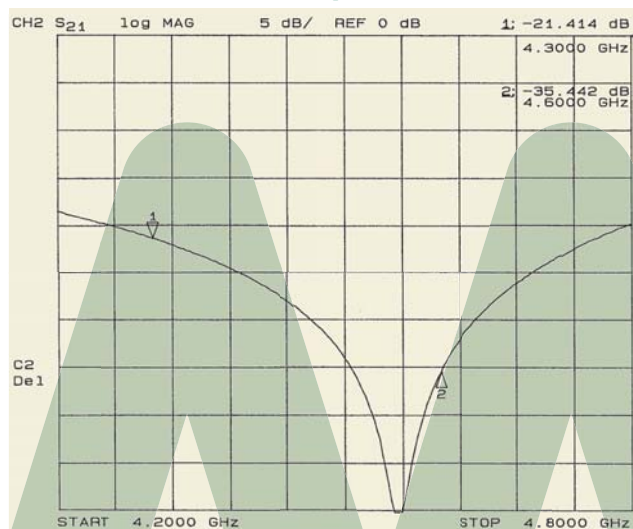
Dimensions (in inches)



IMD2403 Power Split



IMD2403 Input Isolation



See additional IMS C-Band dividers on separate data sheets.

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

See our website www.ims-resistors.com for other options or contact our factory with your requirements!

* Depending on board and circuit architecture
** With baseplate maintained at or below 100°C

impossible made simple™

Ver 1 10/2009 Specifications Subject to Change Without Notice

IMS

4.5GHz
Center
Frequency

Compact

Low Loss

10%
Bandwidth

20W**
Input Power

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