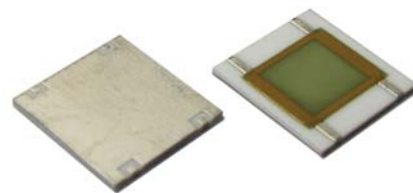


Thick Film C-Band Two Way Quadrature Power Divider

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.

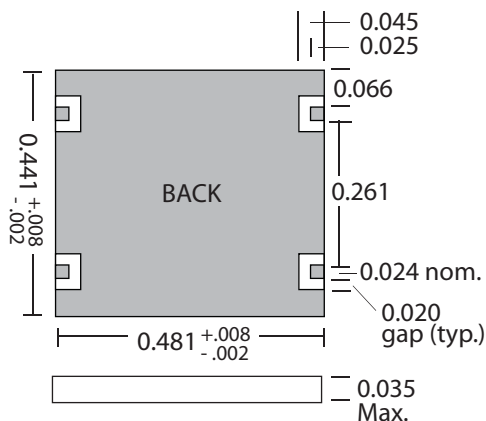
High conductivity metals and alumina substrate provide for a very low insertion loss compared with other architectures.



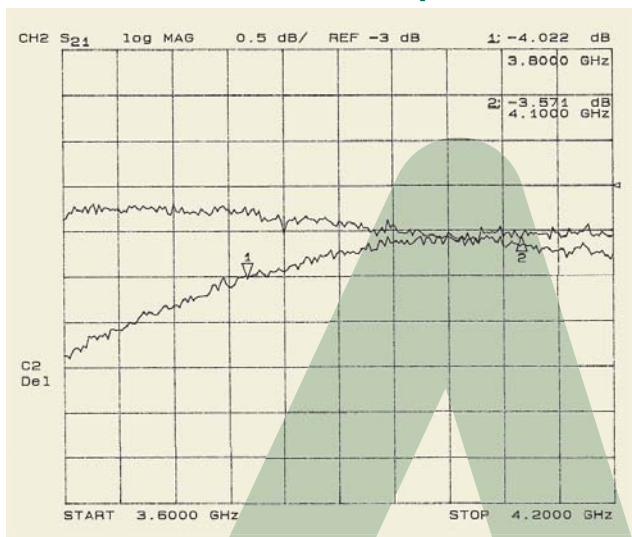
IMD2402 - 4GHz Quadrature Specifications

| | |
|-------------------------|---------------------------------|
| 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 |

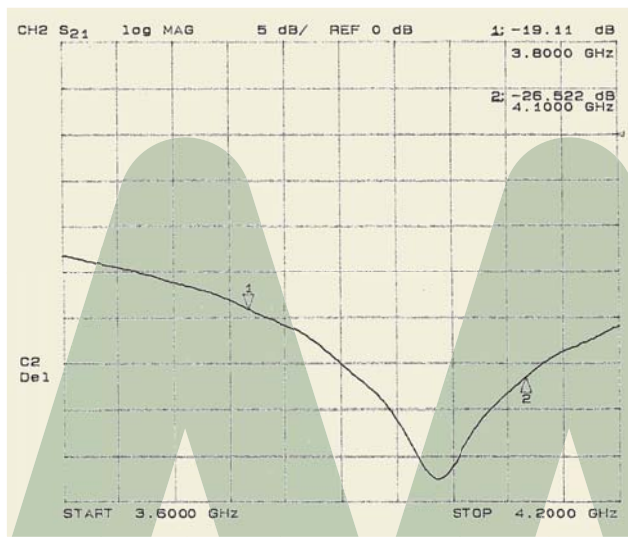
Dimensions (in inches)



IMD2402 Power Split



IMD2402 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™

IMS

**4GHz
Center
Frequency**

Compact

Low Loss

**10%
Bandwidth**

20W
Input Power**



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