

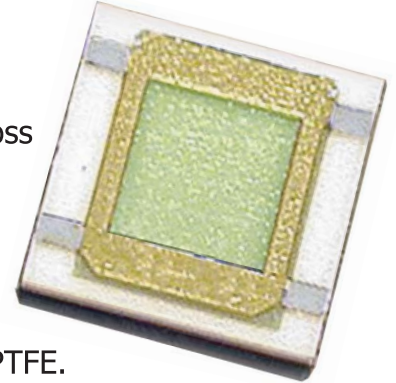
IMD 2297 Quadrature Hybrid Coupler

Compact, robust, and low profile, these 'branchline' devices are of thick film alumina construction and are available in microstrip or surface mount technology (SMT) architectures.

These products are offered for engineers and system designers who need exactitude and repeatability in performance with a true and consistent low insertion loss component, rather than settle for the uncertainties associated with a commodity type or LTCC device.

In addition, the alumina construction coupled with very high conductivity metal alloys provide for much higher input powers than other constructions such as PTFE.

ims has developed these 3 dB hybrids with center frequencies at 6.0, 6.5, 3.5, 4.0, and 4.6 GHz. Contact us with your specific requirements or to obtain a sample of our existing product. Size and insertion loss are generally determined by center frequency.



20W
Input Power

0.4dB
Insertion Loss

18dB
Input Isolation

IMD2297 Electrical Specifications

Frequency of Operation:	6 GHz
VSWR:	1.25:1 or better*
Bandwidth:	10%
Input Isolation:	18 dB or better
Typical Insertion Loss	0.4 dB
Phase Split:	+/- 3 degrees
Amplitude Split:	+/- .5 dB
Size:	.322" X .322" X .025"
Input Power:	Up to 20W (depending on base plate temperature)
Substrate:	Alumina; other sizes and thicknesses available

*Mounted in a matched 50 Ohm system

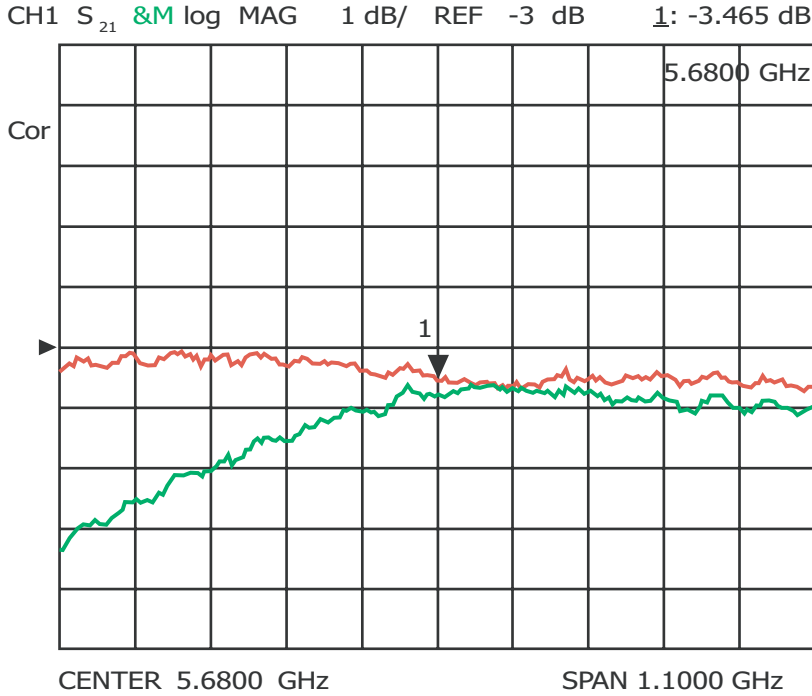
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impossible made simple

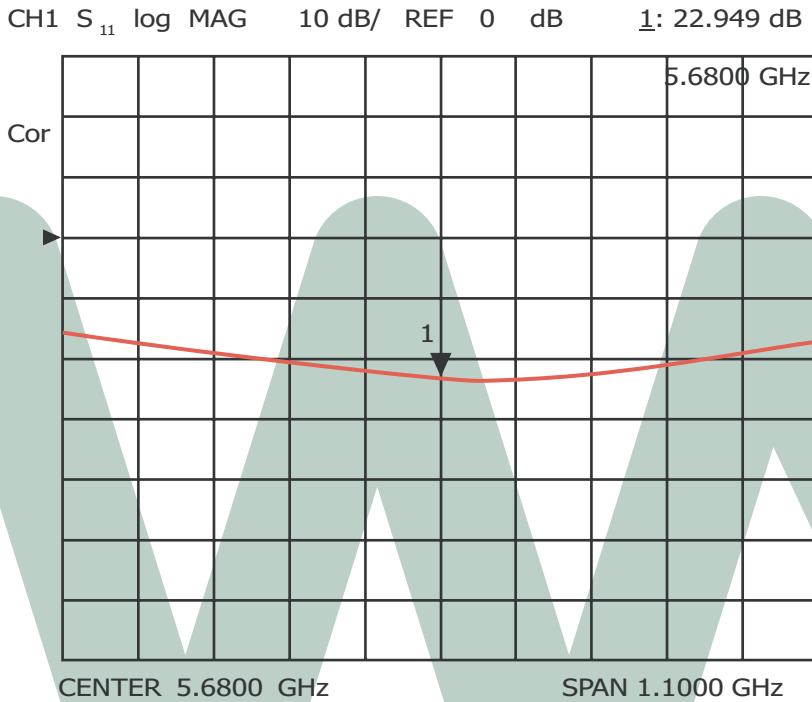
Specifications Subject to Change Without Notice

IMD 2297 Power Split



**Visit us on
the Web-
[http://
www.ims-
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IMD 2297 Return Loss



**Ask Us
About
Engineering
Kits!**

Ordering Information

Contact the factory or your local IMS sales representative to find out how IMS can design a semicustom product for you.

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