

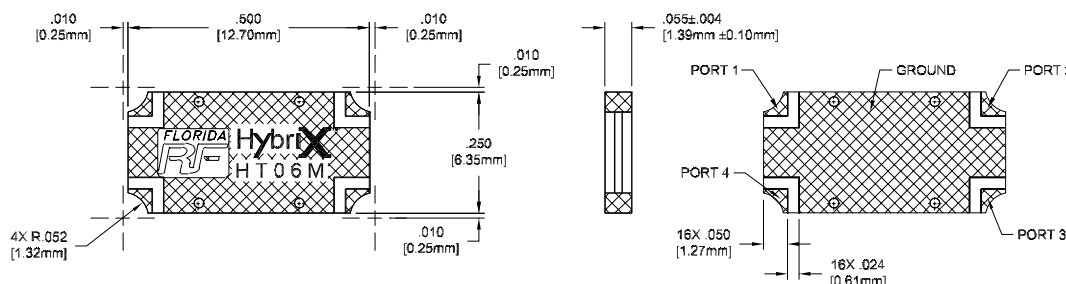


The HT06M is a HybriX® 3dB Hybrid Coupler. The HT06M is ideal for applications using the 3G, ISM and WLL frequency bands as well as in hybrid amplifiers and signal distribution and manufactured to the highest quality standards in a surface mount package for easy circuit integration.

Specifications

Part Number	HT06M
Frequency (GHz)	2.0 - 2.5
Isolation (dB Min)	20
Insertion Loss (dB Max)	.20
VSWR (Max: 1)	1.20
Amplitude Balance (dB Max)	±.35
Phase Balance (deg Max)	2
Average Power (Watts)	60
Operating Temperature (C°)	-55 to +85
Size (in.)	.500 x .250
Size (mm)	(12.70 x 5.08)

Dimensions



Features/Benefits

- Bandwidth: 2.0 - 2.5 GHz
- Surface Mountable
- 90° Quadrature
- Low Insertion Loss
- Miniature Size
- Low VSWR

Applications

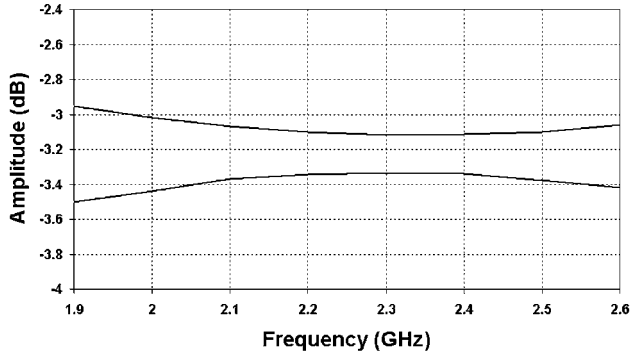
- 3G Applications
- ISM Applications
- Wide Local Loop (WLL)
- Power Combiners
- Power Divider

Ordering Information

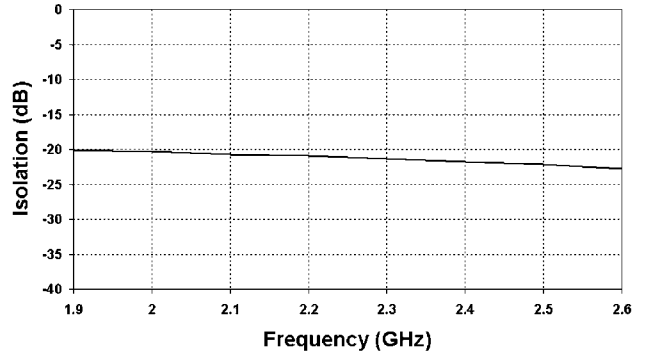
Part Number	Packaging
HT06M	Tube
HT06M-TR	Tape & Reel

Electrical Characteristics (S-Parameter data)

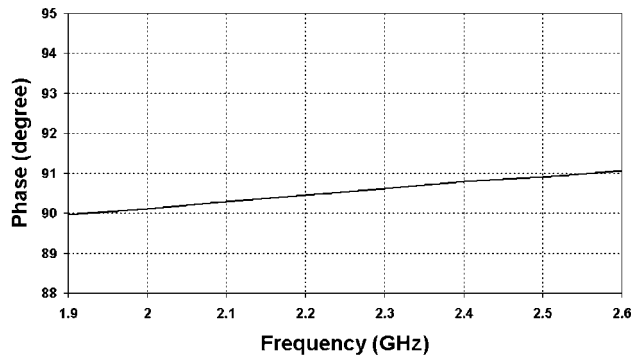
Amplitude Balance HT06M



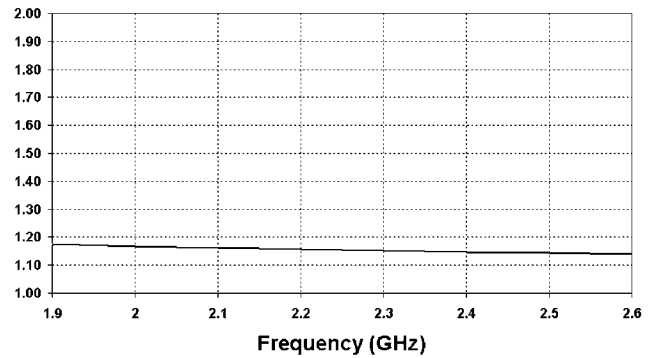
Isolation HT06M



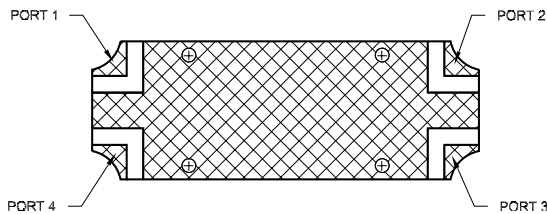
Phase Balance HT06M



VSWR HT06M



Pin Configuration



Port 1	Port 2	Port 3	Port 4
input	isolated	3 dB output, 90°	3 dB coupled, 0°
isolated	input	3 dB coupled, 0°	3 dB output, 90°
3 dB output, 90°	3 dB coupled, 0°	input	isolated
3 dB coupled, 0°	3 dB output, 90°	isolated	input

Mounting Footprint

