



Model Number U6121

Space Qualified 90° Hybrid Coupler

Rev. B
05/13/13

Features:

- Stripline Design
- Space Qualified
- Low Loss
- Vented

Applications:

- Launch Vehicle
- Satellite

Package size:

- 0.50" x 0.66" x 1.16"

(Please see outline for exact dimensions)



Specifications:	
Passband	906 to 1002 MHz
Insertion Loss	0.3 dB Maximum*
VSWR	1.25:1 maximum
Amplitude Balance	0.5 dB Peak-to-Peak
Phase Balance	90° ± 2°
Isolation	20 dB Minimum
Power Handling	7 Watts CW through critical pressure to 1x10 ⁻⁸ Torr with >6 dB margin (28 watt design)
Outgassing	< 0.1% CVCM and < 1% TML
Connectors	SMA Female per MIL-C-39012
Operating Temperature	-65° to +85° C
Screening	Per MIL-DTL-23971C Screened in lots of 50 Group A and Group B testing per "Space Flight Application" guidelines

* Measured per MIL-DTL-23971C Paragraph 4.7.5



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Written By Approved By

Delta Microwave reserves the right to change specifications without notice. Please verify specification revision letter upon order placement.