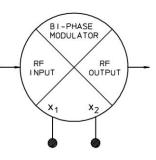
BPG-2A-500, BIPHASE MODULATORS

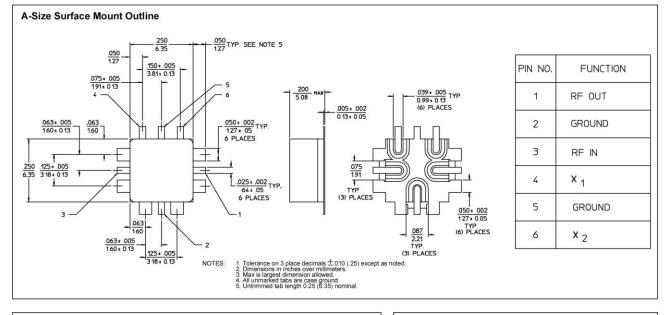
TECHNICAL FEATURE

FEATURES

- 100 750 MHz
- ECL & TTL Compatible
- Fast Switching
- SMD Package



		PRINCIPA	L SPECIFICATIO	N3	
Model Number	Frequency Range, MHz	Insertion Loss, dB, Max. Typ.	Amplitude Balance, dB, Max. Typ.	Phase Balance Max. Typ.	Carrier Suppressior Typ.
BPG-2A-500	100 – 750	54	0.5 0.2	±5° ±2°	– 30 dBc



General Notes:

1. The BPG-2A-500 Biphase Modulator covers the frequency range of 100 to 750 MHz and is ideal for applications where space available for mixer installation is very limited. Other units operate up to 3.6 GHz and provide proportionately fast rise times.

 Customized versions are available for special frequency bands matched to your special applications. Most units are available in a variety of alternative packages such as the TO-8, flatpack or connectorized packages. TTL or ECL drivers can be provided in the larger packages.
Merrimac Biphase Modulators cover a variety of frequency bands while

providing wide bandwidths suitable for most applications.

4. All units comply with MIL-M-28837 and may be supplied screened for compliance with additional specifications for military and space applications requiring the highest reliability.

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GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.	
RF Input Level:	– 3 dBm max.	
VSWR:	2.0:1 max.	
Switching Spee	3 nS typ.	
Data Levels:	Logic 1: Logic 0:	+15 mA – 15 mA
Weight, nomina	0.02 oz (0.5 g)	
Operating Tem	perature:	– 55° to +85°C



Crane Aerospace & Electronics

Microwave Solutions – Merrimac Industries 41 Fairfield Place, West Caldwell, NJ 07006

+ 1.973.575.1300 ext. 1309 • <u>mw@crane-eg.com</u> www.craneae.com/mw

BPG2A.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2013 Crane Electronics, Inc. All rights reserved.