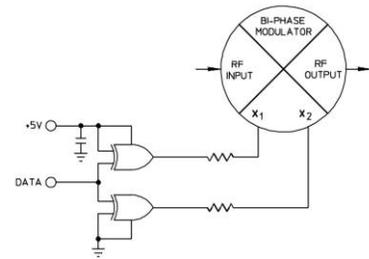


BTM-2A SERIES, BIPHASE MODULATORS

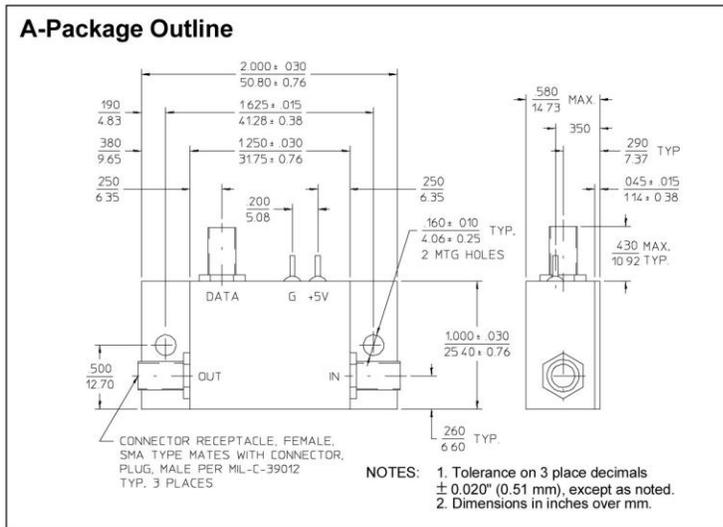
TECHNICAL FEATURE

FEATURES

- 10 - 2500 MHz
- Direct TTL Input
- Fast Switching
- SMA Connectors



<i>PRINCIPAL SPECIFICATIONS</i>								
Model Number	Frequency Range, MHz	Insertion Loss, dB,		Amplitude Balance, dB,		Phase Balance		Carrier Suppression, Typ.
		Max.	Typ.	Max.	Typ.	Max.	Typ.	
BTM-2A-500	10 – 500	3	2	0.3	0.20	±3°	±1°	– 40 dBc
	500 – 1000	4	3	0.5	0.20	±4°	±2°	– 35 dBc
BTM-2A-1500	1000 – 2000	6	5	0.75	0.25	±5°	±2°	– 30 dBc
BTM-2A-2250	1500 – 2500	6	5	1.0	0.25	±5°	±2°	– 30 dBc



GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.

RF Input Level: – 3 dBm max.

VSWR: 2.0:1 max.

Switching Speed: 5 nS typ.
50% Control to 90% RF

Data Signal Levels: TTL compatible

Power Supply: +5 VDC @ 25 mA

Weight, nominal: 1.5 oz (42 g)

Operating Temp: – 55° to +85°C

AVAILABLE OPTIONS

Direct Input (No driver): As BPM series

Integral ECL Driver: As BEM series

- General Notes:**
1. The BTM-2A series of Biphase Modulators covers the frequency range of 10 to 2500 MHz and includes interfacing circuitry so units may be driven directly using a +5V supply.
 2. Customized versions are available for special frequency bands matched to your special applications.
 3. Most units in this series are available in a variety of alternative packages such as the Meri-Pac™ or flatpack (see BTF-2A series). Units supplied without integral TTL drivers are available in the BPM-2A series.
 4. All units comply with the applicable sections of 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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