

Modulators and Translators

- ▶ BI-Phase Modulators
- ▶ Frequency Translators

BI-Phase

MODULATOR WITH DRIVER

- ▶ High Performance
- ▶ MIC Quadrature Hybrid Design
- ▶ TTL Compatibility
- ▶ Low Insertion Loss
- ▶ Small Packaging

GENERAL INFORMATION

This miniature 0° - 180° phase shifter combines broad frequency coverage and fast switching characteristics in a compact lightweight package configuration. The unit consists of silicon pin diode chips and broadband quadrature hybrid coupler circuits.

Reversing the TTL control polarity will switch the RF output phase by 180°.

GENERAL SPECIFICATIONS

Power Handling Capability	0.1W (CW)
Operating Temperature Range	55°C to +95°C
Power Supply Requirements	±12V, 40 mA
RF Connectors	SMA female

SPECIFICATIONS

MW BP Modulator with Driver

Model Number	Frequency Range (GHz)	IL max (dB)	VSWR max	Phase Delta (deg)	Switching Time (ns)	Amplitude Balance Between 2 States (dB)	Case
MW BP 74171	7.4 – 17.1	3.5	2.0	180±4°	100	1	AB

OPTIONS

- ▶ Other Frequency Ranges

HOW TO ORDER

To order the above mentioned frequency translator please state the model number. For other frequency ranges please contact manufacturer.

Outline Drawings

All dimensions are in inches and (mm). Drawings are in first angle projection.

CASE AB

