

Frequency Translator

MW FT FREQUENCY TRANSLATOR

- ▶ High Performance
- ▶ MIC Quadrature Hybrid Design
- ▶ 6 Bit TTL Digital Drive
- ▶ Low Insertion Loss

GENERAL INFORMATION

Frequency translator comprises fast switching digital phase shifters. The input binary word advances or retards the phase in discreet increments.

The device is switched periodically through 360* is increments that are equal to the least significant bit. The frequency translator converts the frequency of an RF carrier to a lower or higher frequency.

GENERAL SPECIFICATIONS

Power Handling Capability	0.1W (CW)
Operating Temperature	-55°C to +105°C
Range Temperature Coefficient	0.025 dB/°C
Switching Time	30 ns max
Power Supply Requirements	5V at 200 mA at 50 mA
Frequency Translation	0 to 100 kHz
RF Connectors	SMA female

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.

SPECIFICATIONS

MW FT Frequency Translator

Model Number	Frequency Range (GHz)	Translation Loss max (dB)	Carrier & Sideband Suppression (dBc)		Flatness max (±dB)	VSWR	Number of Bits	Case
			At Center Frequency	At Ends of Band				
MW FT20406	2.25 – 3.75	6	30	22	1.5	2.5	6	AT

Outline Drawings

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

CASE AT

