

MICRO-TEL & REACTION INSTRUMENTS



FEATURES

- 100 kHz to 32 MHz
- Eight or Sixteen Outputs
- Wide Dynamic Range
- Input Protection

DESCRIPTION

The Model 410 HF Multicoupler is a compact unit which allows coupling up to sixteen HF Receivers to a single antenna or to one of two switch selectable antennas. A low noise input amplifier provides a nominal gain of 5 dB and achieves a wide dynamic range over the entire HF band. Input circuitry provides protection under high ambient RF field conditions or from nearby lightning strikes.

The Model 410 HF Multicoupler is available with eight or sixteen outputs. It operates from either 115 or 230 Vac and is housed in a standard EIA 1-3/4 inch high rack mount chassis.

SPECIFICATIONS

Frequency Range	100 kHz to 32 MHz
Number of Inputs	One - Standard Two (Switchable Dual Input) - Optional
Number of Outputs	8 or 16
Impedance - Input and Output	50 ohms - Standard
Input Return Loss	> 14 dB
Output Return Loss	> 20 dB
Gain	5 dB, nominal
Third Order Input Intercept Point ¹	+28 dBm
Second Order Input Intercept Point ¹	+40 dBm
Isolation - Output to Output	40 dB

¹Test Tones (referred to output) 0.1 Vrms at 16 and 18 MHz.

Specifications are subject to change without notice.

ORDERING INFORMATION

A Model 410 HF Multicoupler has a frequency range of 100 kHz to 32 MHz, a single input, either 8 or 16 outputs and a 115/230 Vac, 47-62 Hz power supply. When ordering, please specify:

410	HF Multicoupler
Option F02	2 MHz High Pass Filter
Option S01	Switchable Dual Input: Select 1 of 2 inputs

Isolation - Reverse	50 dB
1 dB Gain Compression (referred to output)	16 dBm
Noise Figure	8 dB, nominal, at 30 MHz
Connectors - rear panel	BNC
Power	115/230 Vac, 48 to 62 Hz, 15 watts
Temperature - Operating	0° to 50° C
Style	EIA Standard Chassis, 1-3/4 inches high, 15 inches deep, suitable for 19 inch rack mounting.
Weight	12 lbs.

WARRANTY

All of M/A-COM Government Products equipment is warranted for one year, except for damage caused by accident or misuse, provided the equipment is returned for repair to the plant in Hunt Valley, MD



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