



M2 GLOBAL TECHNOLOGY, LTD.

NEW PRODUCT RELEASE

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RF Passive Microwave Component Division

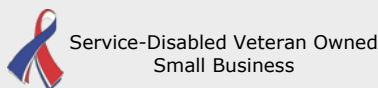
M2 is a leading supplier of passive microwave components, specializing in the design and manufacture of RF Circulators & Isolators. Our products cover the range of 380MHz to 40GHz and are available in Coaxial, Drop-In, or Waveguide configurations.

Precision Manufacturing Division

Offering a wide variety of Precision Mfg services & can respond to your prototype, quick turn, and full-rate production requirements. M2 Global facilities include the latest in CNC precision machining, fabrications, welding, metal castings, brazing, and electro-mechanical assembly for materials ranging from sheet metal to plastics. Metal finishing includes complete chemical finish, paint, and silk-screening operations.



A Partner of Trilog Defense Services www.trilog-ds.com, and selectee for the USAF's Manufacturing Technical Assistance Production Program (MTAPP) www.selltoairforce.org



M2 GLOBAL'S WR430 WAVEGUIDE BANDPASS FILTER

April 4th, 2009
San Antonio, TX



207077-1 WR430 Bandpass Filter

M2 Global Inc., a technology leader in the development of high performance RF and Microwave passive components, offers the WR430 waveguide bandpass filter centered around 2.06GHz with 120 MHz ripple bandwidth, better than -21 dB passband return loss, better than -60 dB rejection over 280 MHz (± 140 Mhz around the center) bandwidth around the band-center and less than -0.15 dB passband insertion loss. The filter operates over -40°C and $+60^{\circ}\text{C}$ and can be subjected to 100 W CW power under 2 PSI \geq 5 minutes. The unit is made from WR430 copper waveguide and 500 mils diameter round post.

NOTES:

1. PASSBAND FREQ: 2.00—2.12 GHz
2. INSERTION LOSS: .35 dB Max
3. RETURN LOSS: 15 dB Min
4. REJECTION: 60 dB Min @ 2.200—2.300 GHz
5. PRESSURIZATION: 5 PSI to 2 PSI \geq 5 Minutes
6. OPERATING TEMPERATURE: -40°C to $+60^{\circ}\text{C}$
7. POWER HANDLING: 1000W Min

△ FINISH:

1. All surfaces including internal surfaces and mounting surfaces of flanges to be RoHS compliant conversion coating per MIL-DTL-5541F, Type 2.
2. All external surfaces to be Black Powder Coat Finish except flange faces.