

Miteq introduces a new addition to its EHF band medium power amplifiers. AMFWW-10F-43504550-50-25P is a 43.5 to 45.5 GHz waveguide amplifier.

It has a minimum gain of 35 dB over the full band, with a minimum P1dB of 25 dBm. Typical output IP3 is 30 dBm. Amplitude flatness is better than 0.25 dB/100 MHz and betters +/-1 dB over the full band. Typical Noise Figure is 5 dB.

WR-22/UG383/U waveguide input and output ports have a low VSWR of 1.5:1. It typically draws 1A from a 15V supply. -15V/20mA is also required.

AMFWW-10F-43504550-50-25P has built in regulation, reverse bias protection and TTL control is optional. The amplifier has a custom heatsink that can be removed.

Accompanying model AMFWW-8F-43504550-65-16P is a lower power version of the model above, with similar gain, noise figure and flatness performance and same mechanical outline. It delivers 16 dBm minimum P1dB with 26 dBm typical output IP3. Draws only 500 mA max from +15V.



Q-Band Medium Power WR-22 Waveguide Amplifier



- 43.5 to 45.5 GHz
- 35 dB Gain Min
- 25 dBm P1dB Min
- 5 dB Typ. NF
- 15V DC / 1000 mA
- +/- 0.5 dB Flat
- Input/Output Isolators (not shown)
- -40C⁰ to +65C⁰

AMFWW-10F-43504500-50-25P

