

Description:

RPG offers a new AFM - Active Fullband Multiplier series without mechanical tuners. With a coaxial input in the 8-23 GHz range, these devices are ideally suited for synthesiser driven sources or heterodyne receiver systems.



Features:

- Full band frequency coverage
- Medium to high output power
- Flat output power
- Tunerless
- Small size

Applications:

- Measurement and instrumentation
- Frequency extenders
- Synthesizer driven transmitters
- Subharmonic Mixer LO Driver

Specifications:

Type	AFM6-75	AFM6-90	AFM6-110	AFM6-110-13	AFM6-140
Output Frequency	50 – 75 GHz	60 – 90 GHz	75 – 110 GHz	75 – 110 GHz	90 – 140 GHz
Waveguide	WR15	WR12	WR10	WR10	WR8
Flange	UG387/U				
Output Power	>+3dBm >+10dBm ¹⁾	>+3dBm	>+3dBm	>+12dBm	>+3dBm
Multiplication factor	6	6	6	6	6 ²⁾
Input Frequency	8.33-12.5 GHz	10-15 GHz	12.5-18,3 GHz	12.5-18,3 GHz	15-23.3 GHz
Input Power	+7dBm				
Input Port	2.92mm SMA-K female or male				
DC input	7V @ 160mA	7V @ 600mA	7V @ 450mA	7V @ 550mA	7V @ 650mA

- ¹⁾ Output Power >+10dBm typical +16dBm with higher power option (AFM6-75-16)
- ²⁾ Multiplication Factor 12 with additional frequency doubler (AFM12-140)