



YIG-TUNED HARMONIC MULTIPLIERS

SPECIFICATIONS

OMNIYIG MODELS	YM1001	YM1002	YM1003	YM1004
Input Frequency	1-2.1 GHz	100 MHz	200 MHz	500 MHz
Output Frequency Range	2-13 GHz	1-12.4 GHz	1-12.4 GHz	1-12.4 GHz
	(Continuous Coverage)			
Input RF Power	1w	1w	1w	1w
Harmonic Rejection	40dB	60dB	60dB	60dB
Output Power (at 12.4 GHz)	4mW	-33dBm	-38dBm	-10dBm
Tuning Sensitivity (typical)	18MHz/mA	18MHz/mA	18MHz/mA	18MHz/mA
Linearity	0.15%	0.15%	0.15%	0.15%
Tuning Hysteresis	30MHz	30MHz	30MHz	30MHz
Tuning Coil Resistance (typical)	80ohms	80ohms	80ohms	80ohms
Temperature Coefficient	200kHz/°C	200kHz/°C	200kHz/°C	200kHz/°C
Weight	16oz.	16oz.	16oz.	16oz.
Heater Voltage	18-32V	18-32V	18-32V	18-32V
Heater Current (typical)				
Surge for 4 seconds	500mA	500mA	500mA	500mA
Steady State at 0°C	80mA	80mA	80mA	80mA
Size (excluding connectors)	1.69 in. x 1.69 in. x 1.69 in., all models			
Connectors				
RF Input and Output	3mm (5mA) Female, all models			
DC	Solder Terminals, all models			