

580 Series Terminations

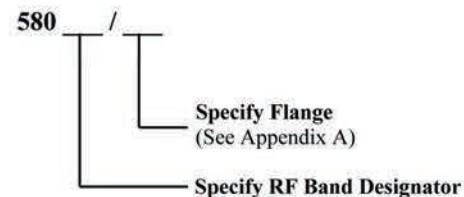
MI-WAVE
Millimeter Wave Products Inc.



Features

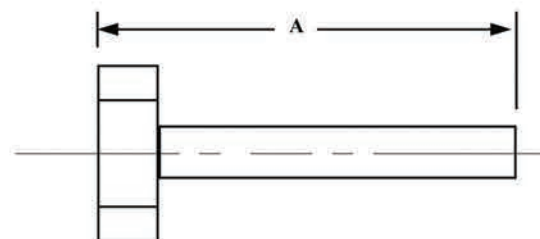
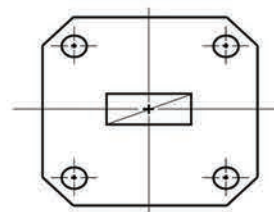
- Low VSWR
- Compact Size
- Full Waveguide Bandwidths
- Available for Low Power and Medium Power Applications

Ordering Information



Description

Mi-Wave's 580 series terminations are designed with standard waveguide flanges for use from 5 to 220 GHz. Each unit consists of a short length of waveguide and an integral matched terminal load. Individual resistive dielectric loads are tapered to precise wedge configurations for maximum effective energy absorption. The gradual taper provides a low VSWR over the full waveguide bandwidth.



Applications

The 580 series terminations are used in experimental and developmental test sets where a low VSWR waveguide load is essential for valid and accurate measurements. These terminations will ensure precise measurement of the VSWR resulting from insertion of various waveguide components into a system.

Other Waveguide Sizes:

WR-137
WR-112
WR-90
WR-75
WR-51
WR-34



Dimensional Specifications

Model No	A	
	in	mm
580Ku	3.31	84.1
580K	3.00	76.2
580A	2.38	60.5
580B	2.00	50.8
580U	1.75	44.5
580V	1.50	38.1
580E	1.50	38.1
580W	1.50	38.1
580F	0.88	22.4
580D	0.88	22.4
580G	0.88	22.4

Technical Specifications (typical)

Model Number	580Ku	580K	580A	580B	580U	580V	580E	580W	580F	580D	580G
Frequency Band (GHz)	12.4-	18.0-	26.5-	33.0-	40.0-	50.0-	60.0-	75.0-	90.0-	110.0-	140-
	18.0	26.5	40.0	50.0	60.0	75.0	90.0	110.0	140.0	170.0	220
VSWR Max.	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.10	1.10	1.10
Average Power (Watts)	7.0	6.0	5.0	4.0	2.0	1.0	0.6	0.4	0.2	0.1	0.1