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Description

Mi-Wave's 580 Series Terminations are designed with standard waveguide flanges for use from 8.2 to 500 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 Bandwidth.

- *Low VSWR*
- *Compact Sizes*
- *Full Bandwidths*
- *Available for Low Power and Medium Power Applications*



Applications

The 580 Series Terminations are used in experimental and developmental test sets where a Low VSWR wave-guide 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.

Model Number	Band	Frequency (GHz)	Power Handling (CW)	VSWR (Typ)	RF Ports
581X/UG39	X-Band	8.2-12.4	10 Watts	1.05:1	WR-90 Waveguide, UG-39/U Flange
580K/595	K-Band	18-26.5	5 Watts	1.1:1	WR-42 Waveguide, UG-595/U Flange
580(34)/595	WR-34	22-33	5 Watts	1.1:1	WR-34 Waveguide, UG-595 Flange
580A/381	Ka-Band	26.5-40	5 Watts	1.1:1	WR-28 Waveguide, UG-381/U Flange
580B/383	Q-Band	33-50	4 Watts	1.1:1	WR-22 Waveguide, UG-383/U Flange
580U/383	U-Band	40-60	2 Watts	1.1:1	WR-19 Waveguide, UG-383/U Flange
580V/385	V-Band	50-75	1 Watts	1.1:1	WR-15 Waveguide, UG-385/U Flange
580E/387	E-Band	60-90	0.5 Watts	1.1:1	WR-12 Waveguide, UG-387/U Flange
580W/387	W-Band	75-110	0.3 Watts	1.1:1	WR-10 Waveguide, UG-387/U Flange
580F/387	F-Band	90-140	0.2 Watts	1.1:1	WR-8 Waveguide, UG-387/U Flange
580D/387	D-Band	110-170	0.1Watts	1.1:1	WR-6 Waveguide, UG-387/U-M Flange
580G/387	G-Band	140-220	0.1 Watts	1.15:1	WR-5 Waveguide, UG-387/U Flange
580H/387	H-Band	170-260	0.05 Watts	1.15:1	WR-4 Waveguide, UG-387/U Flange
580J/387	J-Band	220-325	0.02 Watts	1.15:1	WR-3 Waveguide, UG-387/U Flange

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