Description

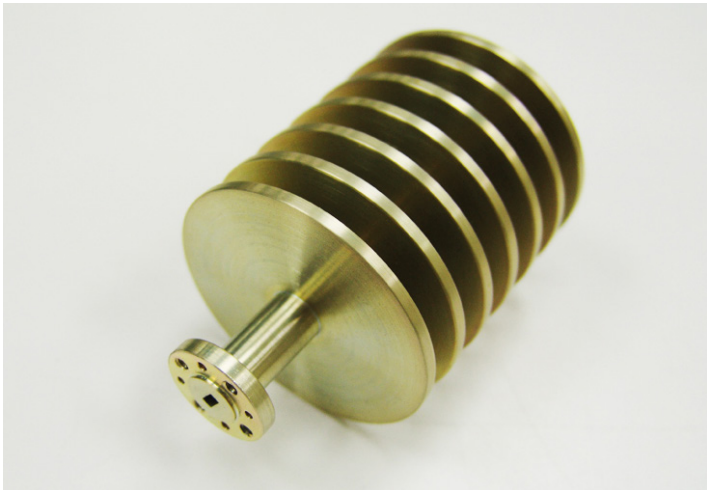
Mi-Wave's 582 Series Terminations are designed with standard waveguide flanges for use from 12.4 to 220 GHz. Each unit consists of a short length of waveguide and an integral matched terminal load. Individual resistive dielectric loads are tapered to precise wedge configurations for maximum effective energy absorption. The gradual taper provides a low VSWR over the full waveguide bandwidth.

- *Low VSWR*
- *Compact Sizes*
- *Full Waveguide Bandwidths*
- *Available for High Power up to 250 Watts CW Applications*

Power requirements for the 482 Series is up to 250 Watts CW, please consult Mi-Wave for other power availabilities and further technical information.

Applications

The 582 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.



Ordering Information

582 ___ / ___

Specify Flange
(See Appendix A)

Specify RF Band Designator

* Consult Mi-wave for current dimensions

Dimensional Specifications
(Subject to Change)

Model No.	A		B	
	in.	mm	in.	mm
582Ku	5.00	127.0	4.00	101.6
582K	4.00	101.6	3.00	76.2
582A	4.00	101.6	3.00	76.2
582B	4.00	101.6	3.00	76.2
582U	4.00	101.6	3.00	76.2
582V	3.50	88.9	2.50	63.5
582E	3.50	88.9	2.50	63.5
582W	3.50	88.9	2.50	63.5
582F	3.00	76.2	2.00	50.8
582D	3.00	76.2	2.00	50.8
582G	3.00	76.2	2.00	50.8

Technical Specifications (typical)

Model No.	582Ku	582K	582A	582B	582U	582V	582E	582W	582F	582D	582G
Frequency Band (GHz)	12.4–18.0	18.0–26.5	26.5–40.0	33.0–50.0	40.0–60.0	50.0–75.0	60.0–90.0	75.0–110.0	90.0–140.0	110.0–170.0	140–220
VSWR (typical)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.15	1.15	1.15
Average Power (Watts)	300	250	200	100	75	30	20	10	5	2	1