



Description

Mi-Wave's 581 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.

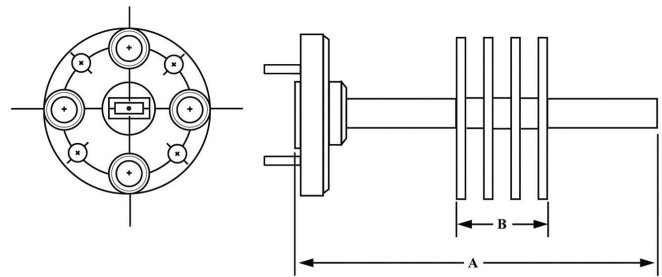
- Low VSWR
- Compact Size
- Full Waveguide Bandwidths
- Available for Low Power and Medium Power Applications

PLEASE NOTE:

Please note: for higher power requirements 582 Series and up to 100 watts CW, please consult Mi-Wave for technical specifications.

Applications

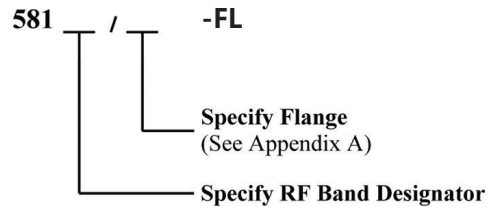
The 581 Series Terminations are used in experimental and developmental test sets where a low VSWR wave-guide load is essential for valid and accurate measurements. These terminations will ensure precise measurement of the VSWR resulting from insertion of various waveguide components into a system.



* Consult Mi-wave for current dimensions

Dimensional Specifications				
Model No.	A		B	
	in.	mm	in.	mm
581Ku	3.88	98.6	1.50	38.1
581K	2.88	73.2	1.00	25.4
581A	2.43	61.7	1.25	31.8
581B	2.43	61.7	1.12	28.4
581U	2.43	61.7	0.75	19.1
581V	2.00	50.8	0.75	19.1
581E	2.00	50.8	0.75	19.1
581W	2.00	50.8	0.75	19.1
581F	1.38	35.1	0.75	19.1
581D	1.38	35.1	0.75	19.1
581G	1.38	35.1	0.75	19.1

Ordering Information



OTHER BANDS AVAILABLE:

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

Technical Specifications (typical)											
Model No.	581Ku	581K	581A	581B	581U	581V	581E	581W	581F	581D	581G
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)	10.0	8.0	7.0	5.0	3.0	2.0	1.8	1.2	0.4	0.3	0.2