



..... Medium and High Power Terminations

QTG/QTH

Characteristics

- ◆ Low VSWR
- ◆ Compact Size
- ◆ Full Waveguide Bandwidths
- ◆ Available for High Power up to 250 watts CW Applications



Product Description

QuinStar Technology's 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.

The QTG/QTH terminations are used in experimental and developmental test sets and instruments where a low VSWR waveguide load is essential for valid and accurate measurements.

Specifications

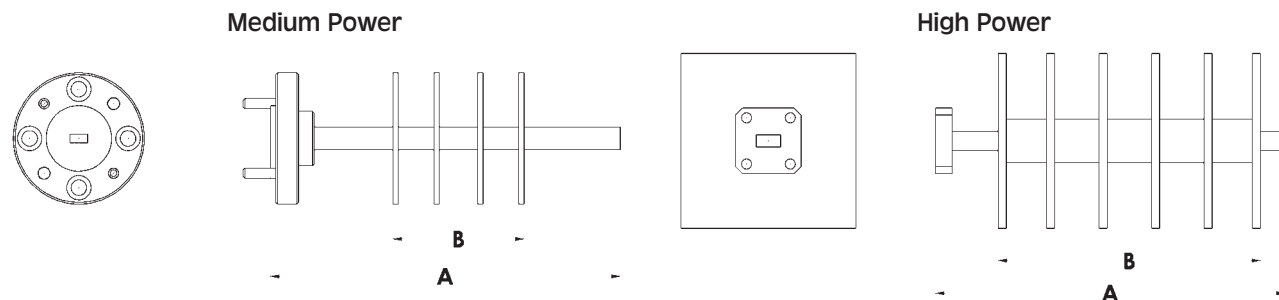
MEDIUM POWER TERMINATIONS											
WAVEGUIDE BAND	Ku	K	Ka	Q	U	V	E	W	F	D	G
Frequency Band (GHz)	12.4-18.0	18.0-26.5	26.5-40.0	33.0-50.0	40.0-60.0	50.0-75.0	60.0-90.0	75.0-110.0	90.0-140.0	110.0-170.0	140.0-220.0
VSWR Max.	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.15	1.15	1.15
Average Power (Watts)	10.0	8.0	7.0	5.0	3.0	2.0	2	2	2	2	2
HIGH POWER TERMINATIONS											
WAVEGUIDE BAND	Ku	K	Ka	Q	U	V	E	W	F	D	G
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	140.0-220.0
VSWR Max.	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	250	200	150	100	100	75	50	50	50



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Outline Drawings/Mechanical Specifications



FREQUENCY BAND	MEDIUM POWER TERMINATION		HIGH POWER TERMINATION	
	A	B	A	B
Ku	3.88/98.6	1.50/31.8	5.00/127.0	4.00/101.6
K	2.88/73.2	1.74/44.2	4.00/101.6	3.00/76.2
Ka	2.43/61.7	1.25/31.8	4.00/101.6	3.00/76.2
Q	2.43/61.7	1.12/28.4	4.00/101.6	3.00/76.2
U	2.43/61.7	1.25/31.8	4.00/101.6	3.00/76.2
V	2.00/50.8	0.75/19.1	3.50/88.9	2.50/63.5
E	2.00/50.8	0.75/19.1	3.50/88.9	2.50/63.5
W	2.00/50.8	0.75/19.1	3.50/88.9	2.50/63.5
F	1.38/35.1	0.75/19.1	3.00/76.2	2.00/50.8
D	1.38/35.1	0.75/19.1	3.00/76.2	2.00/50.8
G	1.38/35.1	0.75/19.1	3.00/76.2	2.00/50.8

Ordering Information

Model Number → **QT - A B 000**

model number →

G = medium power
H = high power

waveguide band designator →

K = K-band E = E-band
A = Ka-band W = W-band
Q = Q-band F = F-band
U = U-band D = D-band
V = V-band G = G-band

flange type →

R = round
S = square
Z = custom