



Specifications

FREQUENCY BAND		K	Ka	Q	U	V	E	W
Frequency Range (GHz)		18-26.5	26.5-40	33-50	40-60	50-75	60-90	75-110
Waveguide Size		WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Output Power Range ¹	(mW)	10-250	10-200	10-200	10-100	10-100	10-60	10-50
	(dBm)	10-24	10-23	10-23	10-20	10-20	10-18	10-17
DC Bias Voltage Range (typ)	GaAs (volts)	5-8	5-7	5-6	5-6	3-6	3-6	3-6
	InP (volts)	---	---	6-11	6-10	6-10	8-10	8-10
DC Bias Current Range (typ)	GaAs (Amp)	0.6-2.0	0.6-2.0	0.6-2.0	0.6-2.0	0.6-1.5	0.6-1.5	0.6-1.5
	InP (Amp)	---	---	0.3	0.3	0.3	0.25	0.25
Frequency Tuning Range (MHz) ²		50-300	50-300	50-500	50-500	50-500	50-500	50-500
Frequency Stability (MHz/°C typ)		-2	-3	-4	-4	-5	-5	-6
Power Stability (dB/°C typ)		-0.03	-0.03	-0.04	-0.04	-0.04	-0.04	-0.04
Operating Temperature		0 to 50°C						
Custom Products available. Contact us at sales@quinstar.com or submit an RFQ.								

Other waveguide sizes are available.

1. This is the range for standard products within the band. Higher power outputs are available at selected frequencies.
2. Standard units have a minimum tuning range of ± 150 MHz. Broader varactor tuning ranges are available.

QuinStar
Technology, Inc.



Mechanical Specifications

FREQUENCY BAND	WAVEGUIDE SIZE	FLANGE PATTERN	OUTLINE DIMENSIONS, inches/mm ¹		
			A	B	C
K	WR-42	UG-595/U	1.13/28.7	1.38/35.1	1.00/25.4
Ka	WR-28	UG-599/U	1.13/28.7	1.38/35.1	1.00/25.4
Q	WR-22	UG-383/U	1.13/28.7	1.38/35.1	1.00/25.4
U	WR-19	UG-383/U	1.13/28.7	1.38/35.1	1.00/25.4
V	WR-15	UG-385/U	0.88/22.4	1.13/28.7	1.00/25.4
E	WR-12	UG-387/U	0.88/22.4	1.13/28.7	1.00/25.4
W	WR-10	UG-387/U	0.88/22.4	1.13/28.7	1.00/25.4

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1. Consult factory for exact outline dimensions if options are specified.

Outline Drawings

