



## QMH Specifications

FREQUENCY BAND	K	Ka	Q	U	V	E	W
Frequency Range (GHz)	18-26.5 2	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
Conversion Loss (dB typ) <sup>1</sup>	20	22	24	26	28	35	40
Minimum Detectable Signal in 1 kHz bandwidth (dBm, typ.) <sup>2</sup>	-95	-85	-80	-75	-75	-70	-65
<b>Custom Products available. Contact us at <a href="mailto:sales@quinstar.com">sales@quinstar.com</a> or submit an RFQ.</b>							

Other waveguide sizes are available.

1. For 9th harmonic of LO, IF < 1 GHz. Typical LO power range is 6 to 13 dBm.
2. For other harmonics, the minimum detectable signal may vary.



## QMH Mechanical Specifications

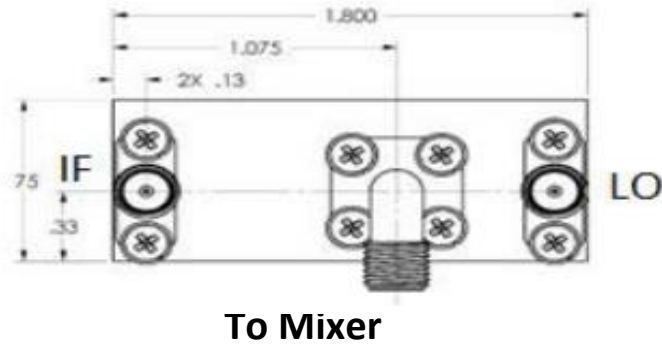
Frequency Band	Waveguide Size	Flange Pattern	Video Output	Outline Dimensions, inches/mm		
				A	B	C
K	WR-42	UG-595/U	SMA JACK	0.88/22.4	0.88/22.4	1.5/38.1
Ka	WR-28	UG-599/U	SMA JACK	0.76/19.3	0.76/19.3	1.5/38.1
Q	WR-22	UG-383/U1	SMA JACK	1.12/28.4	1.12/28.4	1.25/31.75
U	WR-19	UG-383/U1	SMA JACK	1.12/28.4	1.12/28.4	1.25/31.75
V	WR-15	UG-385/U S	SMA JACK	0.75/19.1	0.75/19.1	0.75/19.1
E	WR-12	UG-387/U	SMA JACK	0.75/19.1	0.75/19.1	0.75/19.1
W	WR-10	UG-387/U	SMA JACK	0.75/19.1	0.75/19.1	0.75/19.1

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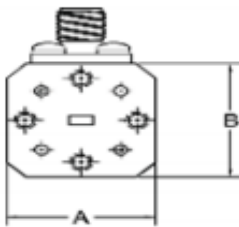
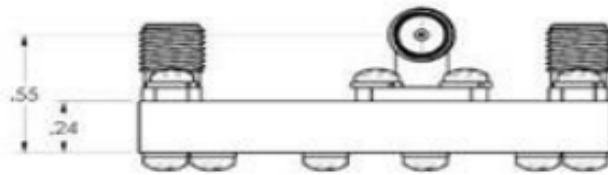
1. Square flanges available for Q and U band.



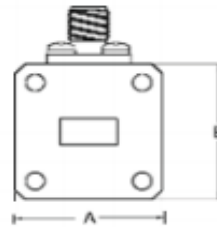
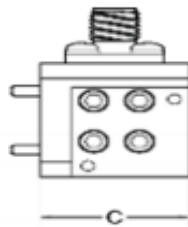
## QMH Outline Drawings



## Diplexer Outline



WR-22 through WR-10



WR-42 and WR-28

