



QMA Specifications

FREQUENCY BAND	K	Ka	Q	U	V	E	W	F	D
Frequency Range (GHz)	18-26.5	26.5-40	33-50	40-60	50-75	60-90	75-110	90-140	110-170
Waveguide Size	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10	WR-8	WR-6
Minimum Detectable Signal in 1 kHz bandwidth (dBm, typ.)¹	-110	-110	-105	-100	-95	-90	-85	-80	-75
Custom Products available. Contact us at sales@quinstar.com or submit an RFQ.									

Other waveguide sizes are available.

1. For 9th harmonic of LO, IF < 1 GHz. Typical LO power range is 7 to 14 dBm. For other harmonics, the minimum detectable signal may vary.



QMA Mechanical Specifications

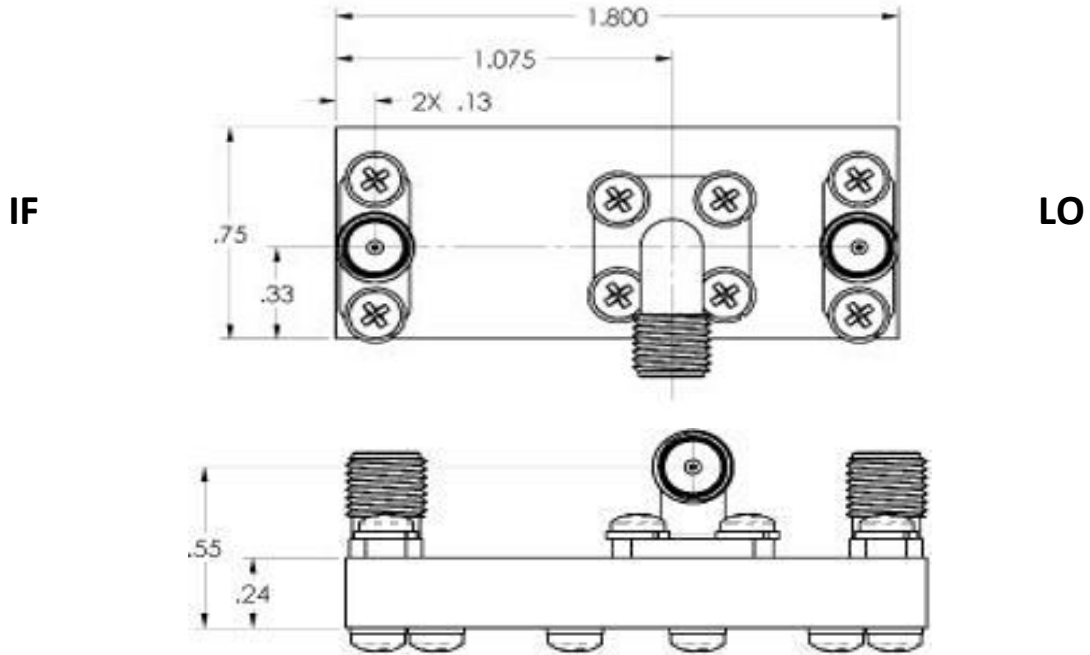
FREQUENCY BAND	WAVEGUIDE SIZE	FLANGE PATTERN	LO and IF	OUTLINE DIMENSIONS, inches/mm ¹		
				A	B	C
K	WR-42	UG-595/U	SMA JACK	0.88/22.4	0.88/22.4	1.5/38.1
Ka	WR-28	UG-599/U	SMA JACK	0.75/19.1	0.75/19.1	1.5/38.1
Q	WR-22	UG-383/U ¹	SMA JACK	1.13/28.7	1.13/28.7	1.25/31.75
U	WR-19	UG-383/U ¹	SMA JACK	1.13/28.7	1.13/28.7	1.25/31.75
V	WR-15	UG-385/U	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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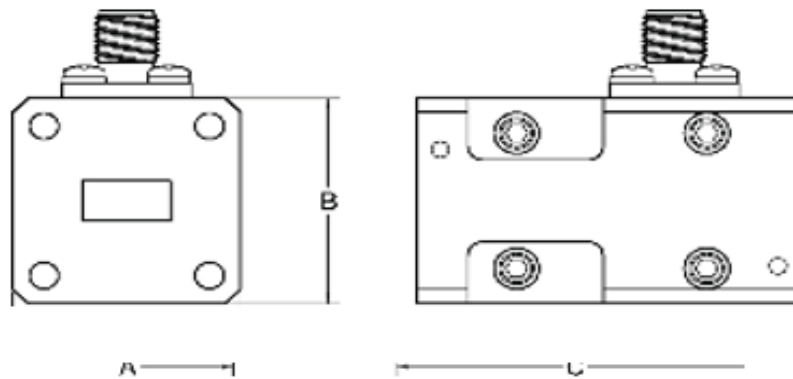
1. Dimensions do not include diplexer option.



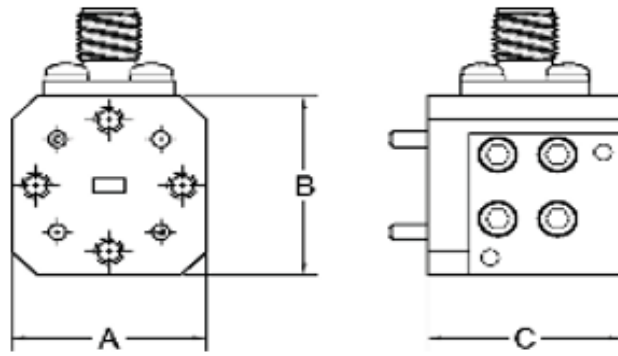
QMA Outlines



To Mixer



WR-42 and WR-28



WR-22 through WR-10