



## QEA 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
Sensitivity (mV/mW) min 1,2	1500	1500	1500	1200	1800	1500	1200	1100	900
Flatness (dB) max3	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±2.0	±3.0	±3.0
Input Power (mW) max	100	100	100	100	100	100	100	50	50
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1. The sensitivity of QEA broadband detectors can be optimized over a narrow bandwidth if desired.
2. Measured at -20dBm input power level, into a 100 K ohm load.
3. Improved flatness can be achieved over reduced bandwidth.



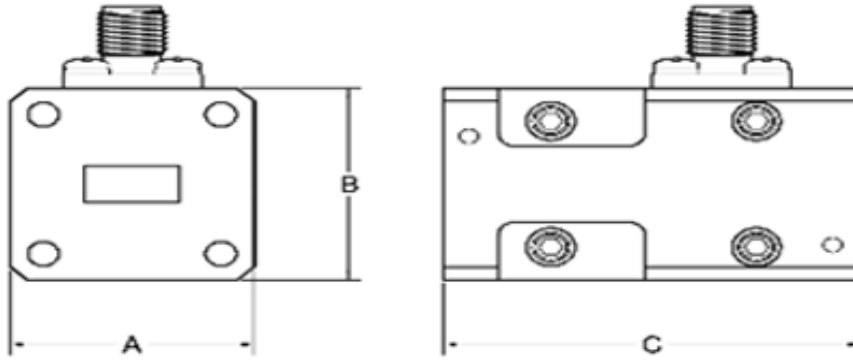
## QEA Mechanical Specifications

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/U <sup>1</sup>	SMA JACK	1.12/28.4	1.12/28.4	1.25/31.75
U	WR-19	UG-383/U <sup>1</sup>	SMA JACK	1.12/28.4	1.12/28.4	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

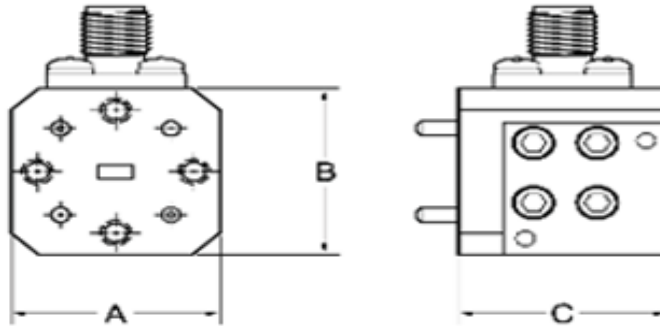
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## QEA Outline Drawings



WR-42 and WR-28



WR-22 through  
WR-10