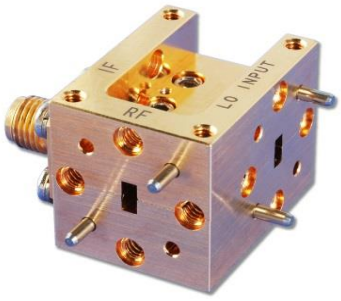
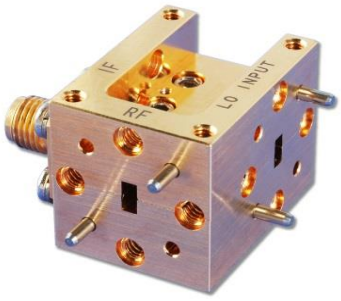
QMB Series
Balanced Mixers

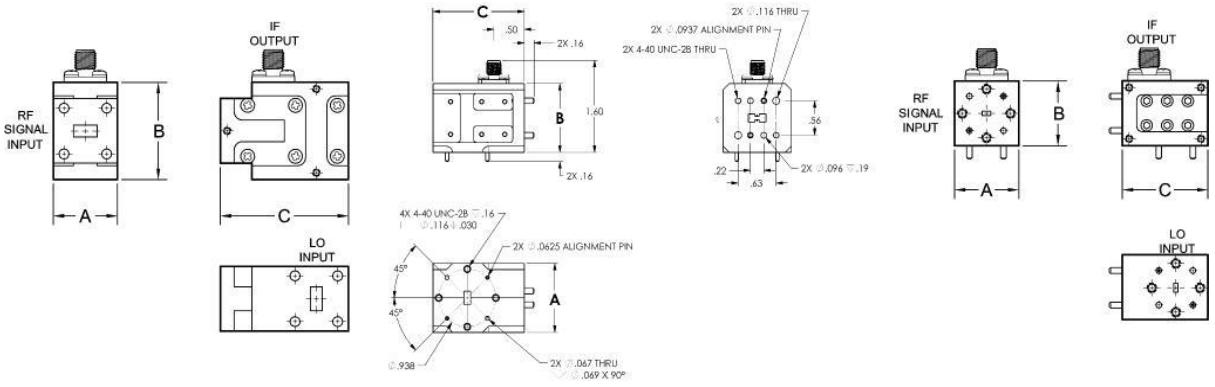


SPECIFICATIONS

RF Waveguide Band		K	-	Ka	Q	U	V	E	W
RF Frequency Range (GHz)		18-26.5	22-33	26.5-40	23-50	40-60	50-75	60-90	75-110
RF Port Designation		WR-42	WR-34	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
LO Port Options		WR-42	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
		SMA	WR-34	WR-22	WR-28	WR-22	WR-19	WR-15	WR-12
			K-Connector	K-Connector	WR-19	WR-15	WR-12	WR-10	WR-15
									WR-08
IF Range and Conversion Loss	IF Range (GHz)	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5
	Conversion Loss (dB) typ	5.5	5.5	6	6.5	7	7	8	8
	IF Range (GHz)	6-12	6-12	6-14	6-17	6-18	6-18	6-18	6-18
	Conversion Loss (dB) typ	6.5	6.5	7	7.5	8	8.5	10	10

QMB Series
Balanced Mixers



MECHANICAL SPECIFICATIONS/OUTLINE DRAWINGS

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	1.19/30.2	1.88/47.8
Ka	WR-28	UG-599/U	SMA JACK	0.76/19.3	1.13/28.7	1.50/38.1
Q	WR-22	UG-383/U	SMA JACK	1.12/28.4	1.12/28.4	1.50/38.1
U	WR-19	UG-383/U	SMA JACK	1.12/28.4	1.12/28.4	1.50/38.1
V	WR-15	UG-385/U	SMA JACK	0.76/19.3	0.75/19.1	1.00/25.4
E	WR-12	UG-387/U	SMA JACK	0.75/19.1	0.75/19.1	1.00/25.4
W	WR-10	UG-387/UM	SMA JACK	0.76/19.3	0.75/19.1	1.00/25.4