QVO-800-1600-8

0.8~1.6GHz, 8dBm

Features:
* High Frequency Stability
* Ultra Low Phase Noise

Applications:
* Wireless
* Transceiver
* Laboratory Test
* Radar

Electrical

Output Frequency:	0.8~1.6GHz
Electrically Adjustable Bandwidth:	800MHz
Control Voltage:	0.5~24V
Output Power:	8dBm typ.
2nd Harmonic:	-22dBc typ. -15dBc max.
Spurious:	-70dBc max.
Supply Voltage:	+11.5V DC
Current:	50mA max.

Absolute Maximum Ratings

Control Voltage:	+24V
Supply Voltage:	+12V

Mechanical

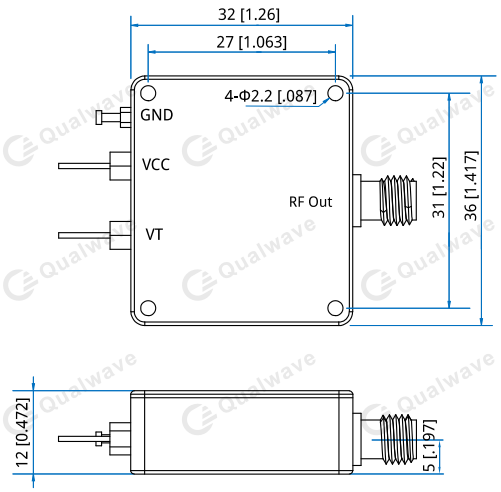
Size[*1]:	32*36*12mm 1.26*1.417*0.472in
RF Connectors:	SMA Female
Power Supply & Control Interface:	Feed Through/Terminal Post
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+75℃
Non-operating Temperature:	-55~+85℃

Outline Drawings



Unit: mm [in]
Tolerance: ±0.2mm [±0.008in]

How To Order

QVO-800-1600-9

Customization is available upon request.

Typical Performance data

V Tune	Frequency (MHz)	Power (dBm)	Second Harmonic Frequency (MHz)	Second Harmonic Power (dBm)	Third Harmonic Frequency (MHz)	Third Harmonic Power (dBm)	Fourth Harmonic Frequency (MHz)	Fourth Harmonic Power (dBm)
0	657.6	6.98	1315.2	-19.03	1972.8	-25.22	2630.4	-38.39
0.5	681.6	7.25	1363.2	-17.79	2044.8	-24.69	2726.4	-38.65
1	705.6	7.38	1411.2	-17.32	2116.8	-24.89	2822.4	-40.82
2	759.8	7.51	1519.6	-14.65	2279.4	-25.06	3039.2	-47.35
3	817.6	8.06	1635.2	-12.38	2452.8	-23.93	3270.4	-51.38
4	882	7.83	1764	-11.08	2646	-24.9	3528	-51.04
5	943.4	8.27	1886.8	-10.17	2830.2	-27.32	3773.6	-48.11
6	1004.8	8.14	2009.6	-9.25	3014.4	-32.89	4019.2	-47.34
7	1058.8	8.62	2117.6	-9.46	3176.4	-37.8	4235.2	-47.34
8	1118	8.82	2236	-9.51	3354	-39.54	4472	-44.9
10	1221.6	8.57	2443.2	-10.25	3664.8	-40.43	4886.4	-45.43
12	1303	9.49	2606	-12.98	3909	-41.27	5212	-32.22
13	1340	9.24	2680	-13.32	4020	-40.76	5360	-38.75
15	1414	8.82	2828	-16.74	4242	-40.3	5656	-38.69
16	1444	8.51	2888	-18.61	4332	-39.52	5776	-38.01
18	1510	8.58	3020	-22.6	4530	-40.14	6040	-38.93
19	1540	8.28	3080	-23.74	4620	-40.63	6160	-38.85
21	1596	8.09	3192	-27.71	4788	-41.38	6384	-39.43
22	1625	7.82	3250	-30.53	4875	-41.24	6500	-39.99
24	1672	7.28	3344	-35.55	5016	-42.84	6688	-41.31

Typical Performance Curves