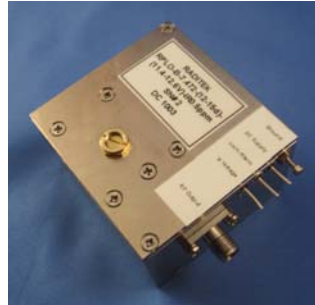
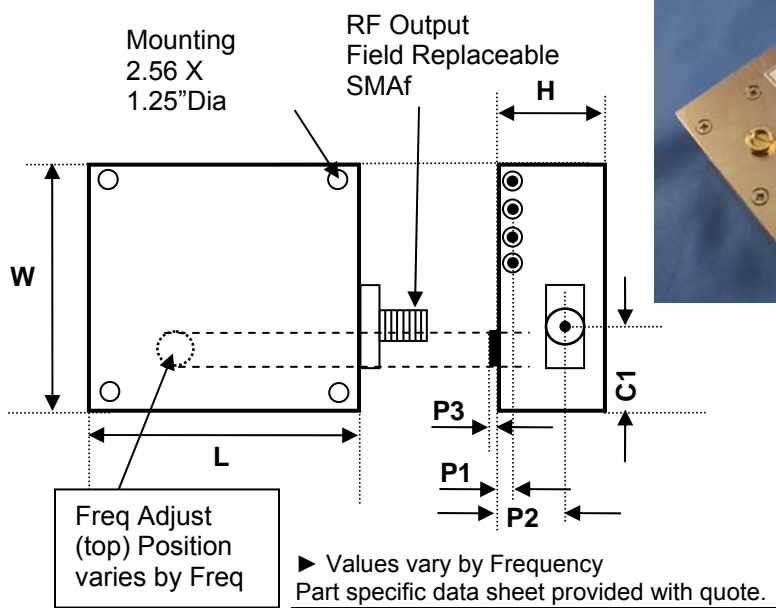


RPLO-B-0.9-43.0 GHz-IR 0.5ppm Family

Internally Referenced



<u>Dimensions</u>		<u>1</u>	<u>2</u>
W	Width	1.883"	1.5"
L	Length	2.0"	2.0"
H	Height	1.280"	1.125"
C1	RF Out	0.718"	0.335"
P1		0.116"	0.116"
P2		0.467"	0.314"
P3		0.040"	0.040"
<u>Model</u>		<u>1</u>	<u>2</u>

<u>Specifications</u>	<u>Spec</u>	<u>Units</u>
Freq. Stability	IR ± 0.5	ppm
Supply Voltage	11.4-12.6	V
Operating Temp.	-40-70	$^{\circ}$ C
Storage Temp.	-55-85	$^{\circ}$ C
Power	3	dB
Aging	+/-2	ppm/ 10year
Reference Tuning	+/-2.5	ppm

PART#: RPLO-B-FREQ-POWER (VCC)-IR0.5ppm

Example: RPLO-B-1.5-12-15d (11.4-12.6V)-IR0.5ppm

Frequency (GHz)		0.9-1.4	1.4-2.0	2.0-2.8	2.8-4.0	4.0-5.7	5.7-8.0
RF Power	dBm (min)	12-15	12-15	12-15	12-15	12-15	12-15
Harmonics	dBc	-25					
Spurious	dBc	-70					
Supply Current	mA	460					
Warm-up Current	mA	670					
► Phase Noise (1 HZ BW)							
@ 100 Hz	dBc/Hz	-94 to -91	-91 to -88	-88 to -85	-85 to -82	-82 to -79	-79 to -76
@ 1 kHz	dBc/Hz	-118 to -116	-116 to -113	-113 to -110	-110 to -107	-107 to -104	-104 to -101
@ 10 kHz	dBc/Hz	-129 to -126	-126 to -123	-123 to -120	-120 to -117	-117 to -114	-114 to -111
@ 100 kHz	dBc/Hz	-140 to -137	-137 to -134	-134 to -131	-131 to -128	-128 to -125	-125 to -122
@ 100 kHz	dBc/Hz	-144	-144	-144	-144	-144	-144
Model id		1	1	1	1	1	1
Frequency (GHz)		8.0-11.3	11.3-16.0	16.0-19.6	19.6-23.9	23.9-32.2	32.2-43.4
RF Power	dBm (min)	13-16	13-16	13-16	13-16	7-10	6-9
Harmonics	dBc	-45					
Spurious	dBc	-80					
Supply Current	mA	400					
Warm-up Current	mA	545					
► Phase Noise (1 HZ BW)							
@ 100 Hz	dBc/Hz	-76 to -73	-73 to -70	-70 to -68	-68 to -67	-66 to -64	-64 to -61
@ 1 kHz	dBc/Hz	-101 to -98	-98 to -95	-95 to -93	-93 to -92	-91 to -89	-89 to -86
@ 10 kHz	dBc/Hz	-111 to -108	-108 to -105	-105 to -103	-103 to -102	-101 to -99	-99 to -96
@ 100 kHz	dBc/Hz	-119 to -116	-116 to -113	-113 to -111	-111 to -110	-109 to -107	-107 to -104
@ 100 kHz	dBc/Hz	-144 to -141	-141 to -138	-138 to -136	-136 to -135	-134 to -132	-132 to -129
Model id		1	1	2	2	1	2