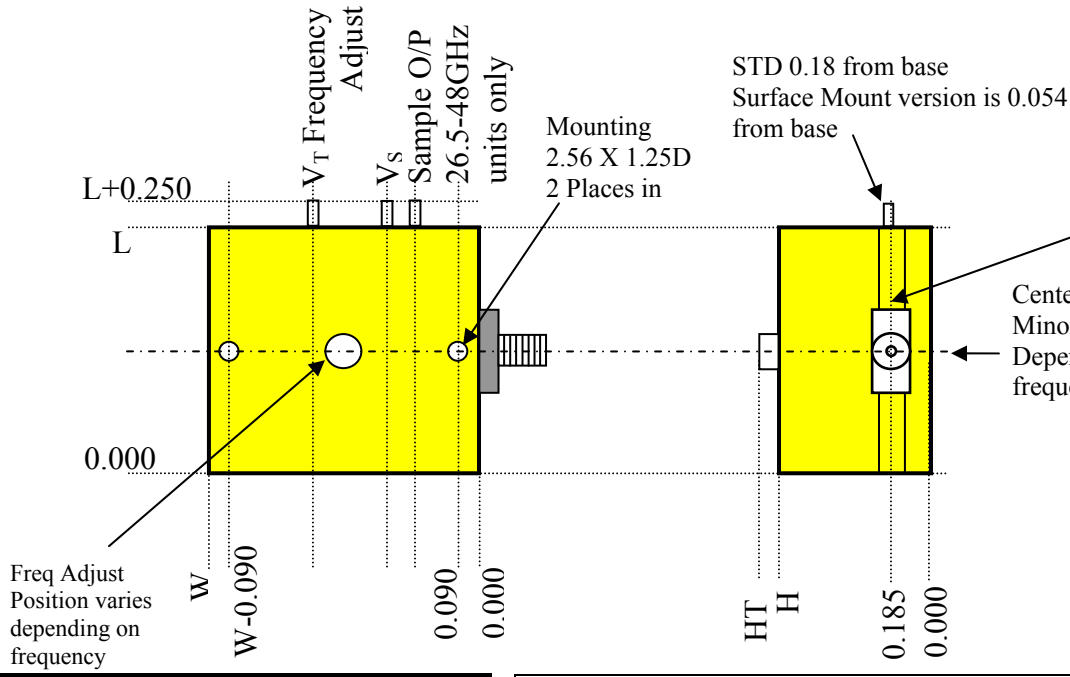




- Frequency coverage 1-43.42GHz (up to ~22 GHz fundamental)
- Optional Electronic Tuning (-E)
- Optional Surface mounting by field removing base and connector (-PIN)

NOTE
No output buffering:
 take care with designing it in to avoid frequency pulling



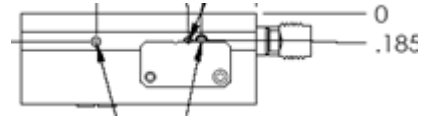
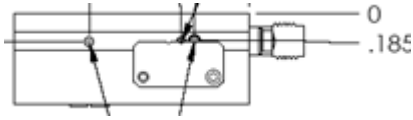
Base & field replaceable SMAf can be removed giving the surface mount version



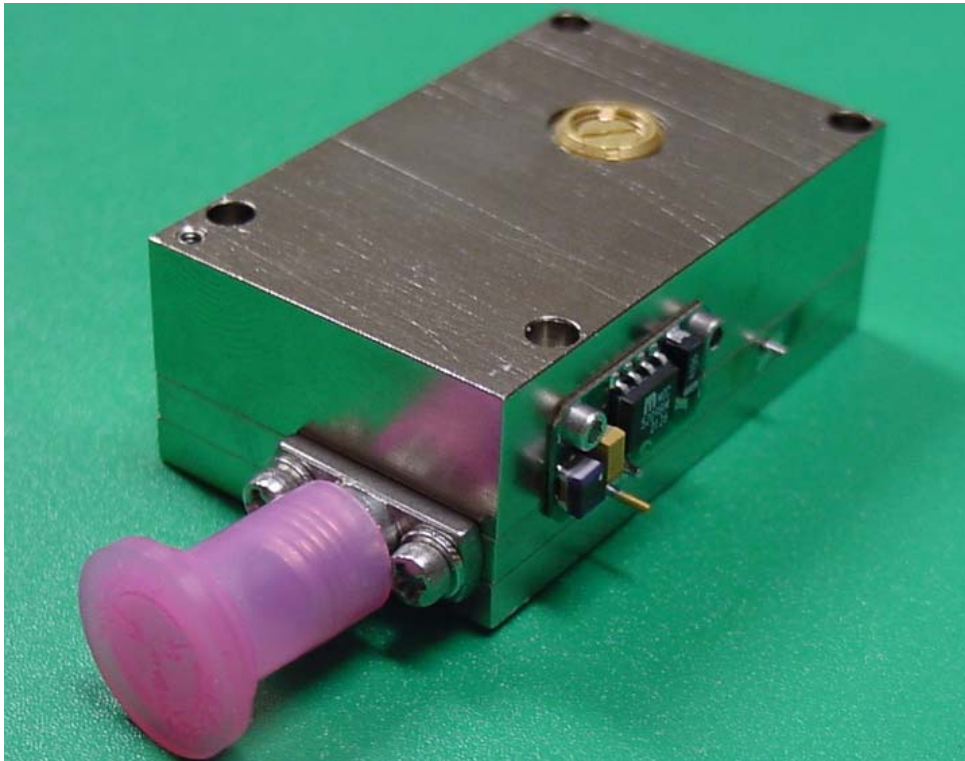
Specifications		
Harmonics	dBc	-25
Spurious	dBc	-70 to -95
Supply Voltage	V	5 – 16
Supply Current	mA	55 to 135
Operating Temp.	°C	-40 to +70
Storage Temp.	°C	-55 to +85

Frequency (GHz)	0.998-8.036	7.981-11.320	11.321-16.070	15.0-23.980	23.981-32.290	32.291-43.420
W(width)	1.608	1.00	1.00	0.720	1.608	1.230
L(length)	0.993	1.00	1.00	0.640	0.993	0.610
H(height)	0.612	0.616	0.612	0.499	0.612	0.495
HT(tuner height)	0.016	0.040	0.016	0.040	0.016	0.016
Model ID	1	2-sj	3	4-sj	1	5

Frequency (GHz)		0.998-2.009	1.955-4.018	3.991-8.036	7.981-11.320	11.321-16.070	15.0-23.980	23.981-32.290	32.291-43.420
*RF Power	dBm	12-15	12-15	12-15	11-15	9-13	7-12	6-10	4-8
Frequency Pushing	kHz/V Max	51-98	102-196	205-392	414-502	508-785	825-1170	1230-1580	1660-2120
Load Pulling	kHz Max	205-392	409-784	819-1568	1640-2200	2320-3140	3300-4680	4920-6300	6620-8480
ΔFrequency OT	kHz Max	113-216	223-426	450-862	818-1100	1160-1570	1650-2340	2460-3150	3310-4240
ΔPower	dB	2	2	2	2	2	2	2	2
Aging	ppm/year	1	1	1	1	1	1	1	1
Mechanical Tuning	MHz >+/-	0.82-1.57	1.64-3.14	3.27-6.27	6.6-8.4	9.6-12.6	13.2-18.8	19.6-25.1	26.4-34.0
*Electrical Tuning	MHz	0.35-0.67	0.70-1.33	1.39-2.67	2.8-4.8	4.1-5.4	5.6-10.8	8.3-10.7	11.2-14.5
Tune Voltage Range	V	0.6-7.4	0.6-7.4	0.6-7.4	0.6-7.4	0.6-7.4	0.6-7.4	0.6-7.4	0.6-7.4
Tune Voltage Center	V	4	4	4	4	4	4	4	4
*Phase Noise @	10kHz	-112 to -106	-106 to -100	-100 to -94	-94 to -91	-91 to -88	-89 to -85	-84 to -82	-82 to -80
	100kHz	-137 to -131	-131 to -125	-125 to -119	-119 to -116	-116 to -113	-114 to -110	-109 to -107	-107 to -105
	1MHz	-141	-141	-141	-144 to -141	-141 to -138	-139 to -136	-134 to -132	-132 to -130



For pin interface remove base and field removable SMAf connector. Pin is at 0.185" height to directly interconnect to pad on PCBA



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