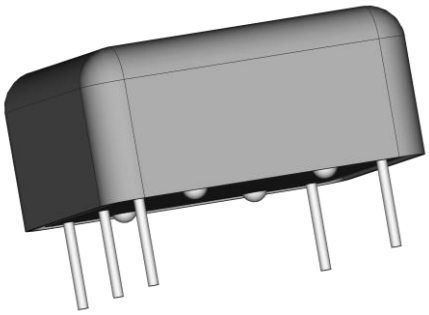
FEATURES:

- Low Phase Noise
- Low Spurious
- +12V Supply Voltage
- -172 dBc/Hz Phase Noise >100 kHz Offset



ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units	Conditions
Nominal Frequency (F)		128.0		MHz	
Frequency Stability (ΔF/F)	-300		+300	ppb	vs. temp
RF Output	+15	+17		dBm	
Output Load		50		ohms	+/-10%
Input Voltage, Vs	+11.5	+12	+12.5	Volts	
Power Consumption, start up			4	Watts	
Power Consumption, steady state			2	Watts	
Control Voltage, Vc	0		10.0	Volts	
Tuning Range		± 2.5		ppm	from nominal F
Tuning Slope	Positive				
Input Impedance	10			kohms	At Vc pin
Phase Noise (Under Static Conditions)			-100	dBc/Hz	10 Hz Offset
			-130	dBc/Hz	100 Hz Offset
			-160	dBc/Hz	1 kHz Offset
			-170	dBc/Hz	10 kHz Offset
			-172	dBc/Hz	>100 kHz Offset
Harmonics			-30	dBc	
Spurious			-80	dBc	
Warm-Up Time			5	minutes	for 0.1ppm accuracy
Modulation Bandwitdh	DC		1	kHz	

* Electrical specifications are given for Vs=+12V, Vc=+5V, T_A= +25 ± 3 °C unless otherwise specified.

ENVIRONMENTAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature Range	-40		+85	°C
Storage Temperature	-40		+85	°C
Mechanical Shock (Non-Operating)	MIL-STD-202H Method-213 Condition-J, 30g 11ms			
Vibration (Non-Operating)	MIL-STD-202H, Method-204 Condition-B, 5g, 10-2000 Hz			
Soldering	260 °C for 10s max. leads only, no reflow			

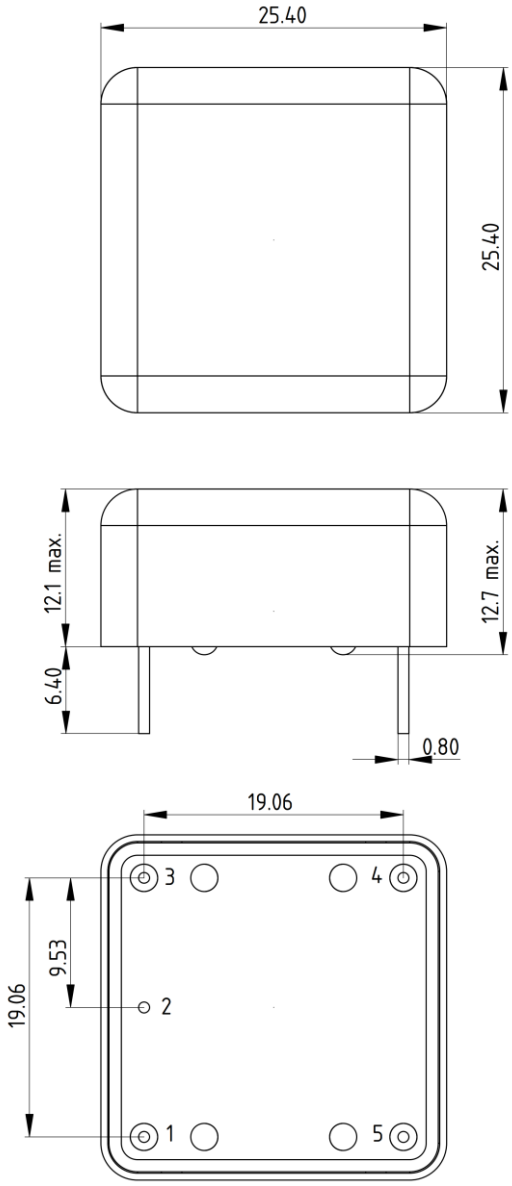
MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	25.4 x 25.4 x 12.7	mm
Weight	15	gr
Seal	Solder	
Mechanical Housing	Nickel Plated CRS	

MECHANICAL OUTLINE:

- All dimensions are in mm

- General Tolerances: ± 0.2 mm



Pin #	Function
1	RF Out
2	GND
3	Vc
4	N/C
5	Vs

REVISION HISTORY:

Rev. No.	Date	Description
P1	07-Jul-2026	Preliminary Release