

FEATURES:

- Ultra-Low Phase Noise
- SMD Package
- Low Spurious
- +5V Supply Voltage
- -175 dBc/Hz Phase Noise >100 kHz Offset

ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units	Conditions
Nominal Frequency (F)		100		MHz	
Frequency Stability ($\Delta F/F$)		± 0.28		ppm	vs. Temp
RF Output		+10		dBm	
Output Load		50		ohms	+/-10%
Phase Noise (Under Static Conditions)		-85		dBc/Hz	10 Hz Offset
		-124		dBc/Hz	100 Hz Offset
		-150		dBc/Hz	1 kHz Offset
		-170		dBc/Hz	10 kHz Offset
		-175		dBc/Hz	100 kHz Offset
		-175		dBc/Hz	1 MHz Offset
Harmonics		-30		dBc	
Spurious		-80		dBc	
Operating DC Voltage	+4.75	+5	+5.25	Volts	
Operating DC Current		35		mA	

*Electrical specifications are given at 25C.

ABSOLUTE MAXIMUM RATING:

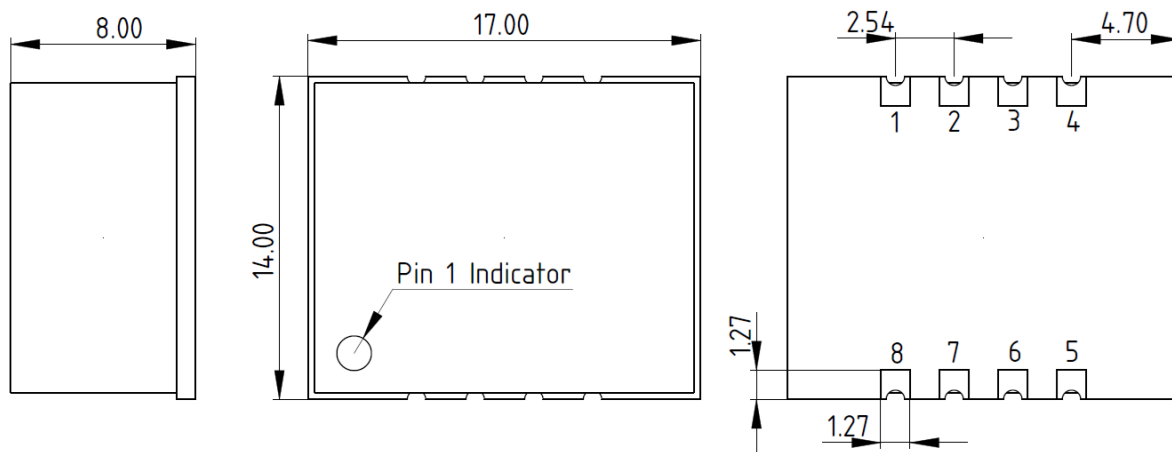
Parameter	Min.	Typ.	Max.	Units
DC Voltage	-0.3		+5.5	Volts
Operating Temperature Range	-40		+85	°C
Storage Temperature	-40		+85	°C

MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	17 x 14 x 8	mm
Weight	TBD	gr

MECHANICAL OUTLINE:

- All dimensions are in mm
- Tolerances: ± 0.3 mm



Pin #	Function
1	VCC
2	N/C
3	GND
4	GND
5	RF OUT
6	N/C
7	N/C
8	N/C



REVISION HISTORY:

Rev. No.	Date	Description
P1	13-Nov-2025	Preliminary Release