

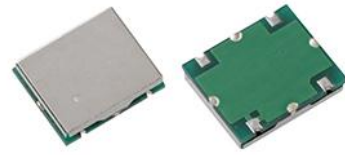
Size: 7.0×5.0×2.0mm



深圳市锐晶电子有限公司
Shenzhen Rojon Electronics Co.,LTD.

FEATURES

- CMOS and clipped sine wave output optional.
- Typical 7.0×5.0×2.0mm ceramic SMD package.
- Supply voltage: 2.7V~5.5V
- HIGH PRECISION FOR -40~+85°C, ±0.2PPM.
- VOLTAGE CONTROL FUNCTION AVAILABLE.
- AUTOMATIC MOUNTING AND REFLOW SOLDERING.
- APPLICATIONS: BASE STATION, FEMTOCELL, WIRELESS COMMUNICATIONS, TELECOMMUNICATIONS, ETC.
- HIGH STABILITY AND HIGH RELIABILITY.
- ROHS COMPLIANT / PB-FREE.



ELECTRICAL SPECIFICATIONS

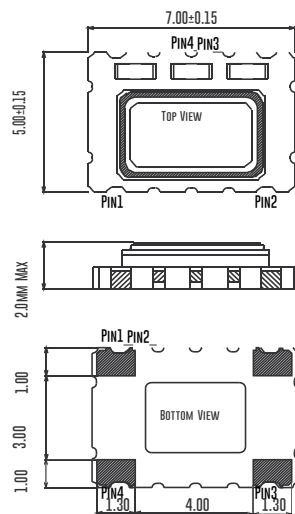
ITEM /TYPE		8T (SMD 7050 TCXO)		
OUTPUT TYPE		CLIPPED SINEWAVE	CMOS	
OUTPUT LOAD		10KΩ /10PF	15PF	
OUTPUT VOLTAGE		0.8 VP-P MIN.	OUTPUT LOW (VOL)	0.1 * VCC MAX.
			OUTPUT HIGH (VOH)	0.9 * VCC MIN.
SUPPLY CURRENT		3.5MA MAX.	6MA MAX.	
OSCILLATION MODE		FUNDAMENTAL		
SUPPLY VOLTAGE		2.7 ~ 5.5V		
FREQUENCY RANGE		5 ~ 52MHZ		
INITIAL FREQUENCY TOLERANCE AT 25°C AFTER 2 REFLAWS		±2.0PPM		
FREQUENCY TOLERANCE	VS. TEMPERATURE (- 40 ~ + 85°C)		±0.2PPM	
	VS. LOAD (±5%)		±0.1PPM	
	VS. SUPPLY VOLTAGE (±5%)		±0.1PPM	
STORAGE TEMPERATURE RANGE		-55 ~ +125°C		
AUTO FREQUENCY CONTROL RANGE (OPTION)		±5PPM (1.5 ±1 V)		
START-UP TIME		2.0MS MAX.		
HARMONICS		-50BC MAX.		
PHASE NOISE AT 1KHZ OFFSET		-145dBC/HZ		
AGING		±1PPM/YEAR MAX.		
24 HR HOLDOVER STABILITY (OPTION) [#1]		±40PPB		
FREE RUN STABILITY FOR 20 YEARS (OPTION) [#2]		±4.6PPM		

[#1] 24 HOURS AT CONSTANT TEMPERATURE AFTER 48 HOURS OPERATION.

[#2] INCLUSIVE OF INITIAL TOLERANCE AT 25°C, TEMPERATURE, SUPPLY VOLTAGE ± 5%, LOAD ± 5%, REFLOW SOLDERING AND AGEING 20 YEARS.

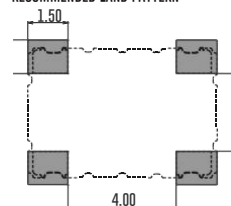
DIMENSIONS

UNITS:MM



PIN CONNECTION	FUNCTION
PIN 1	AFC OR GND
PIN 2	GND
PIN 3	OUTPUT
PIN 4	VCC

RECOMMENDED LAND PATTERN



3.00

UNIT : MM

