

FR4 PCB BASED SMD CMOS VCXO (14.3 x 8.7 x 5.0mm)

FEATURES:

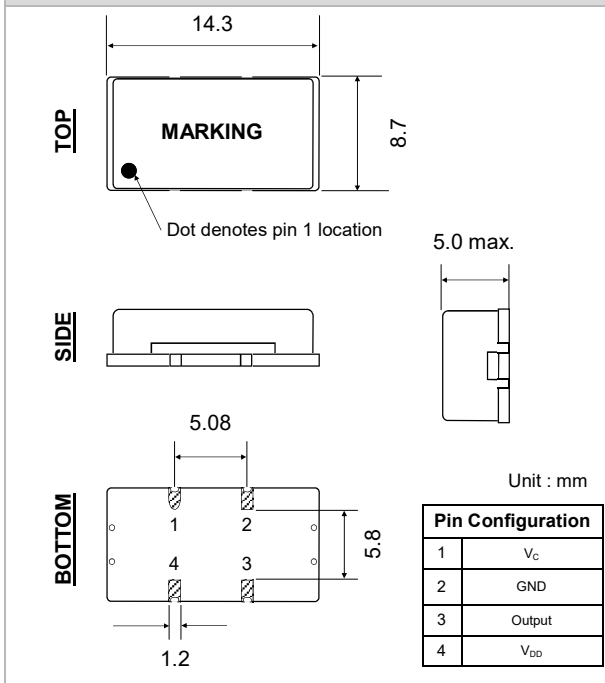
- 5G BASE STATION
- PERSONAL RADIO BASE STATION
- ULTRA LOW NOISE AND JITTER PERFORMANCE



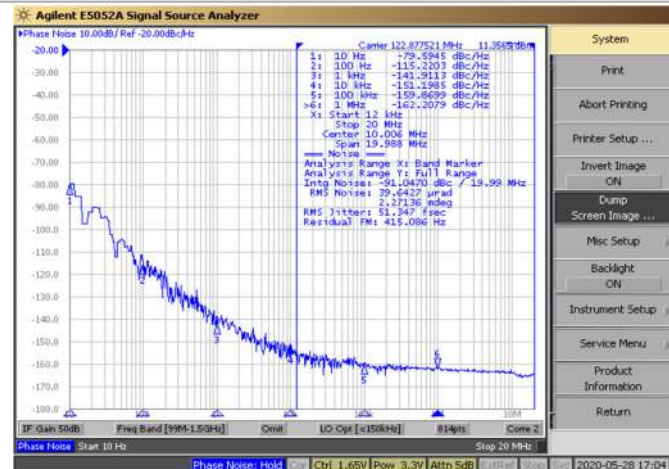
SPECIFICATION

PARAMETER	MIN.	TYP.	MAX.	UNIT	NOTE	
FREQUENCY		122.880		MHz		
OPERATING TEMPERATURE RANGE	-40		85	°C		
STORAGE TEMPERATURE RANGE	-55		105	°C		
SUPPLY VOLTAGE	3.135	3.3	3.435	V		
SUPPLY CURRENT		22	30	mA		
OUTPUT	LOGIC FAMILY	HCMOS				
	LOAD	15pF				
	LEVEL LOGIC '1' (V _{OH})	0.9 x V _{DD}			V	
	LEVEL LOGIC '0' (V _{OL})			0.1 x V _{DD}	V	
	SYMMETRY (DUTY CYCLE)	45		55	%	
	RISE AND FALL TIME (Tr/Tf)			3	nS	@ 10% ~ 90% V _{DD}
	START-UP TIME			10	mS	
FREQUENCY DEVIATION	±20			ppm	@ APR (Inclusive of tolerance@25°C, stability over temp, voltage chance, load change and aging)	
CONTROL VOLTAGE	0		3.3	V		
AGING @ 25°C + 3°C			±3.0	ppm	@ 1 ST year	
PHASE JITTER		51		fS	@ 12kHz ~ 20MHz offset	

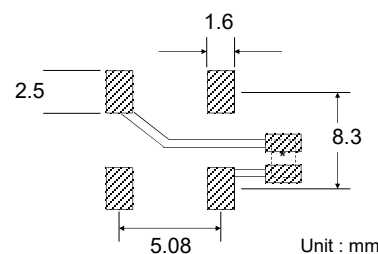
PACKAGE DIMENSIONS



PHASE NOISE (TYPICAL) @ 122.88MHz

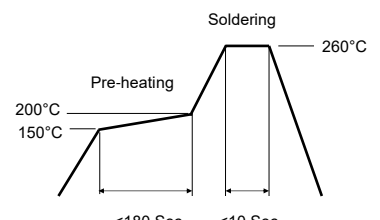


SOLDER PATTERN



*0.01µF to 0.1µF bypass capacitor recommended

REFLOW PROFILE



Note: Consult factory for detail

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