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ZONE	REV.	DESCRIPTION	DATE	APPROVED

FOR REFERENCE ONLY

[illegible]

NEXT ASSY REV-A	USED ON SMD914VC-XXX	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: 1/64 ANGULAR: MACH 45° TWO PLACE DECIMAL .02 THREE PLACE DECIMAL .010	DRAWN	NAME SK	DATE	 GENERAL ELECTRONIC DEVICES SAN MARCOS, CALIFORNIA
			CHECKED			
			ENG APPR.	SK		
			MFG APPR.			
			Q.A.			
		MATERIAL	COMMENTS:			SPECIFICATION CONTROL OSCILLATOR, VOLTAGE CONTROLLED
		FINISH				
APPLICATION:		DO NOT SCALE DRAWING				
			SIZE A	DWG. NO. PRELIMINARY		REV. A
			SCALE: 1:1	CAD FILE: 5406010-XA		SHEET 1 OF 3

1.0 GED PART NUMBER SMD914CV-XXX

1.1 CUSTOMER NUMBER NA

2.0 CLASSIFICATION OSCILLATOR, VOLTAGE CONTROLLED

3.0 ELECTRICAL CHARACTERISTICS

3.1 AVAILABLE FREQUENCIES 50.000MHZ ~ 180.000MHZ

3.1.1 CALIBRATION TOLERANCE $\pm 2\%$ MAX AT 2.5V EFC

3.1.2 ADJUSTMENT RANGE $\pm 12\%$ MIN. $\pm 15\%$ TYP. 0V TO 5V EFC

3.1.3 STABILITY

3.1.3.1 FREQUENCY vs TEMP TBD

3.1.3.2 FREQUENCY vs VOLTAGE $\pm 2\%$ MAX. $\pm 1\%$ TYP. PER 1.0 VOLT VCC CHANGE

3.1.3.3 FREQUENCY vs LOAD TBD

3.1.3.4 FREQUENCY vs TIME

3.1.3.4.1 LONG TERM NA

3.1.3.4.2 PHASE NOISE $< -105\text{dBc}$ @ 10KHz

3.1.3.4.3 JITTER _____

3.2 WAVE FORM SINE-WAVE

3.2.1 SYMMETRY 50% $\pm 10\%$

3.2.2 AMPLITUDE CMOS COMPATIBLE

3.2.3 LOAD 50 Ω

3.3 EFC CHARACTERISTICS

3.3.1 EFC TERMINAL IMPEDANCE $> 100\text{KOHM}$; 200pF TYP. OR TBD

3.3.2 INPUT RANGE 0v~5.0V (10.0V MAX)

3.3.3 SENSITIVITY 2.5% PER 1.0V EFT CHANGE (TYP).

3.4 POWER INPUT

3.4.1 OSCILLATOR VOLTAGE 5.0 VOLT

3.4.2 OSCILLATOR CURRENT 16 mA MAX.

4.0 ENVIRONMENTAL

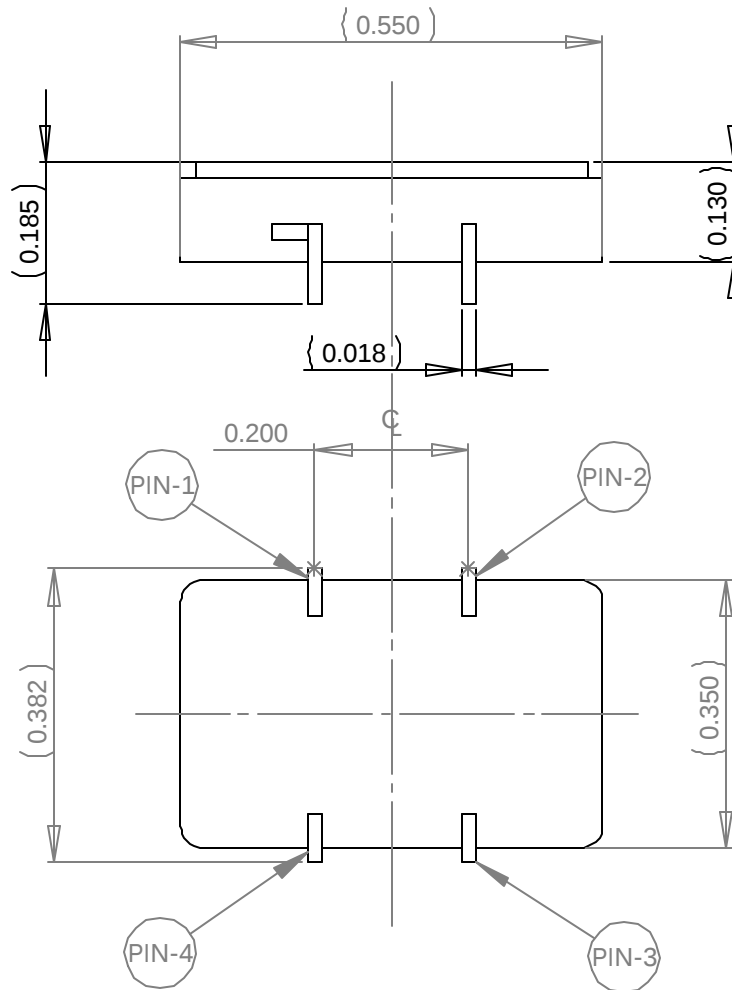
4.1 AMBIENT TEMPERATURE RANGE

4.1.1 OPERATING TBD

4.1.2 STORAGE -40°C to $+85^\circ\text{C}$

FOR REFERENCE ONLY

SIZE A	DWG. NO. PRELIMINARY	REV. A
SCALE: 1:1	CAD FILE:	SHEET 2 OF 3



5.0 MECHANICAL:

5.1 HUMIDITY: 85% RH, 85°C, 48 HOURS

5.2 HERMETIC SEAL: LEAK RATE 2×10^{-8} ATM-cm³/SEC MAX.

5.3 SOLDERABILITY: MIL-STD-202F METHOD 208E

5.4 VIBRATION: MIL-STD-202F METHOD 204, 50G, 50 TO 2000 HZ

5.5 SHOCK: MIL-STD-202F METHOD 213B, TEST COND E, 1000G, 1/2 SINE WAVE

5.6 MIL-PRF-55310: EXCEEDS ENVIRONMENTAL AND ELECTRICAL SPECIFICATIONS

5.7 PIN CONNECTIONS:

PIN 1 - EFT
PIN 2 - GROUND
PIN 3 - OUTPUT
PIN 4 - +5.0V

THIRD ANGLE PROJECTION



SIZE

A

SCALE: 5:1

DWG. NO.

PRELIMINARY

REV.

A

CAD FILE:

5406010-XA.SLDDRW

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