



SPECIFICATION

PN: 0X71333P0C4543D6

VER	DESIGNED	CHECKED	APPROVED
<i>A1</i>			

CUSTOMER APPROVAL

SPECIFICATION :	3225 Seam / 48.000MHz		
PART NO. :	0X71333P0C4543D6		
CUSTOMER PN. :			
CHECKED 1	CHECKED 2	APPROVED	DATE
Result: ☐ PASS ☐ FAIL ☐ OTHER			

FEATURE

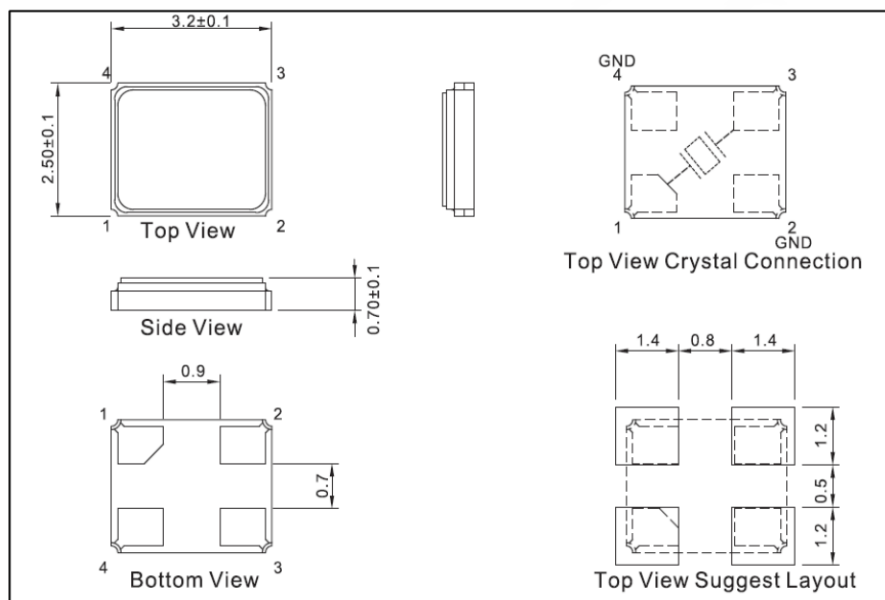
- Reliable seam sealed ceramic package.
- Wide operating temperature range.
- Superior performance and stringent reliability in harsh environment.
- Application: TPMS, ECM, ABS and sensor modules.
- Compact size.
- RoHS Compliant / Pb Free.

ELECTRICAL SPECIFICATIONS

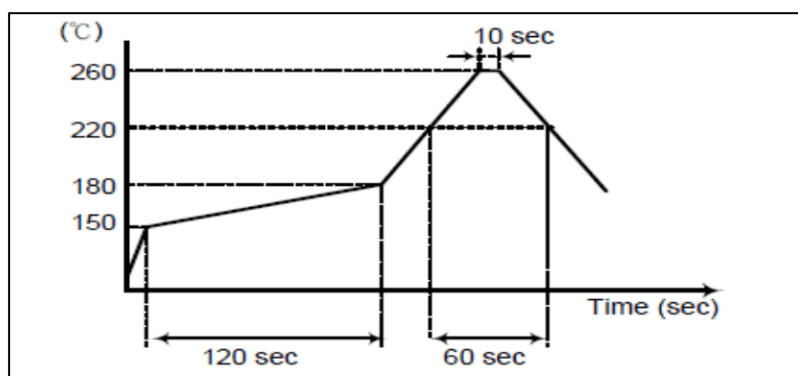
Nominal Frequency	48.000MHz
Mode	AT/Fundamental
Frequency Tolerance (at 25°C)	±10ppm
Frequency Stability Over Operating Temperature Characteristics	±10ppm
Operating Temperature Range	-20°C to +70°C
Storage Temperature Range	-55°C to +125°C
Shunt Capacitance (C0)	3.0 PF Max
Driver Level (DL)	100μW Typical
Load Capacitance(CL)	7PF
Equivalent Series Resistance(ESR)	30Ω Max
Aging @25°C first year (Max)	±3ppm/year

REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE,
PLEASE CONFIRM WITH OUR SALES ENGINEER.

DIMENSION (Unit: mm)

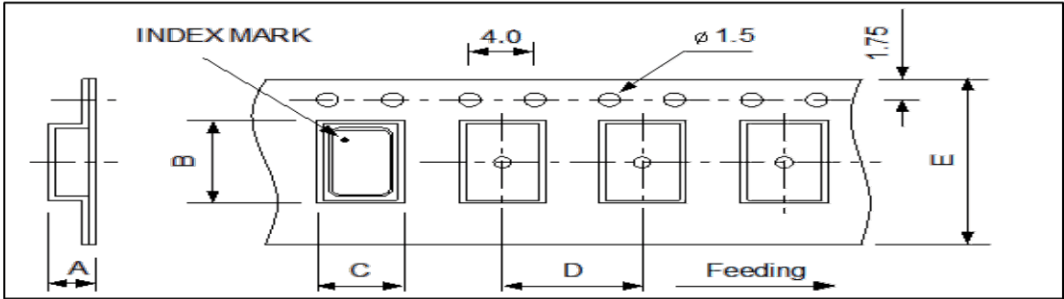


REFLOW CONDITION

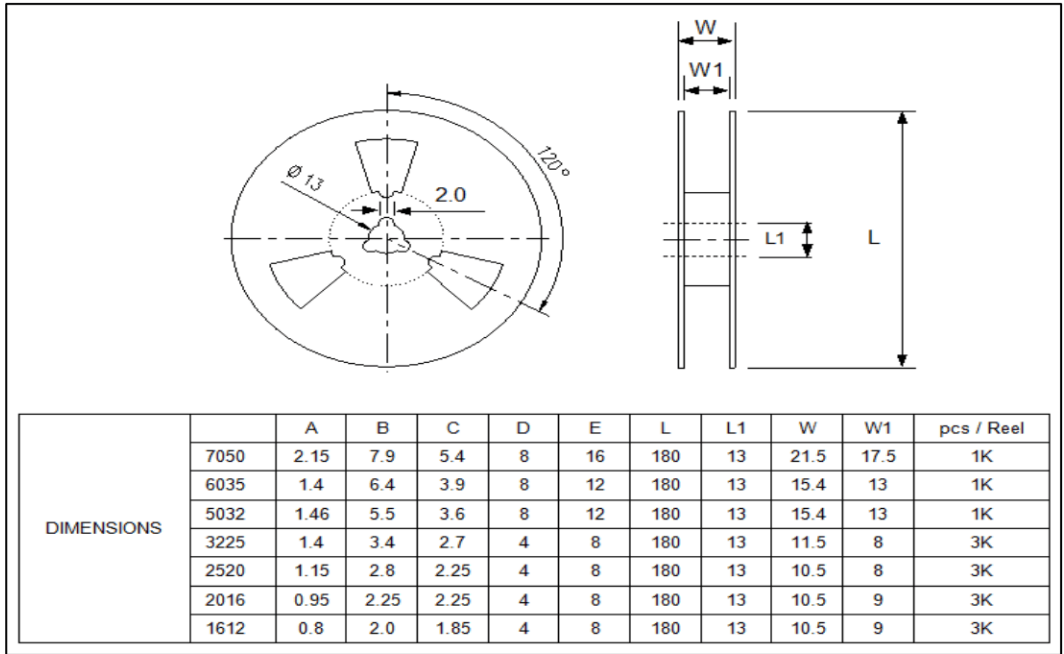


The reflow temperature profile may vary depending on the product model, specifications and frequency range. Refer to the individual product specifications for details

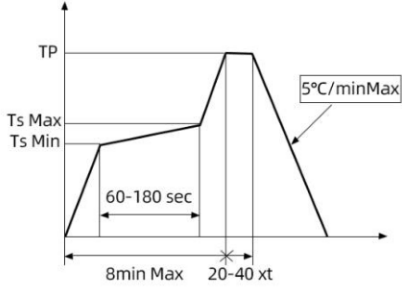
CARRIER TYPE



REEL



RELIABILITY TEST SPECIFICATIONS

Test item	Equipment	Condition	Specification
1.SOLDERABILITY TEST	REL001 RC-328A	TP:260℃ TsMax: 200℃ TsMin: 150℃ 2 time 	MIL-STD-883E Method 2003.7
2. HERMETICITY TEST	HELIOT-306S	Pressurized 0.4~0.5Mpa ethanol sealed tank for 10 minutes	MIL-STD-883E Method 1014.10
3. VIBRATION TEST	HG-V4、S&A 250B	Enable Crystal(10g) from 10-55-10Hz,X、Y、Z horizontal,1 Minute vibration/time, 1time/ 2 hours.	MIL-STD-883E Method 2007.3
4. MECHANICAL SHOCK	HPC-200、S&A 250B	Enable Crystal 50G(490m/s ²) time=11 ms speed=3.4 m/s half sine wave oscillation	JIS C6701
5. DROP TEST	HARD BOARD.S&A250B	75cm High,3 times on hard board	MIL-STD-202F Method 213B
6. HIGH&LOW TEMP STORAGE TEST(Static test)	H-PTH-80CK & HM101-3ABN, S&A 350B/250B	High temperature: 125℃±2℃,1000hr; Low temperature:-40℃±3℃,10 00 hs	MIL-STD883C, METHOD 1011.8
7. TEMP & HUM CYCLING TEST	H-PTH-80CK CHAMBE, S&A 350B/250B	Temperature:-10℃±2℃~ 65℃±2℃ Hum id ty 93 ±3%1 cyclen æ d2 4 hs . 5cycles .	MIL-STD-883E Method 1005.8
8. HIGH TEM. & HUM.STORAGE TEST	H-PTH-80CK CHAMBE, S&A350B/250B	Temperature:85℃±2, Hum id ty 85 +32%St æ 96 hs	JIS C6701
9. AGING TEST	H-PTH-80CK CHAMBE, S&A350B/250	Temperature:85℃±2, Ste10 00 hs	JIS C5023

REVISION RECORD (0X71333P0C4543D6)

Rev	Revise contents	Reason	Reviser	Checked	Approved
A1	Initial released	--			