

QUARTZ CRYSTAL UNIT IN CERAMIC SEAM SEAL SMD PACKAGE, SIZE 7.0 X 5.0MM.

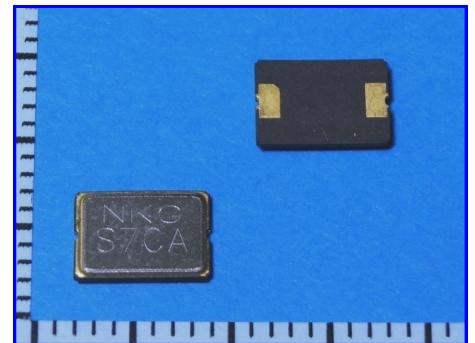
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PRODUCT FEATURES

- SMALL PACKAGE SIZE 7.0 X 5.0 X 1.1MM WITH 2 PADS.
- EXCELLENT HEAT AND SHOCK RESISTANCE.
- HIGHLY RELIABLE SEAM SEAL PACKAGE AND LOW AGING.
- AUTOMOTIVE GRADE COMPLIANT TO AEC-Q200 IS AVAILABLE.

APPLICATIONS

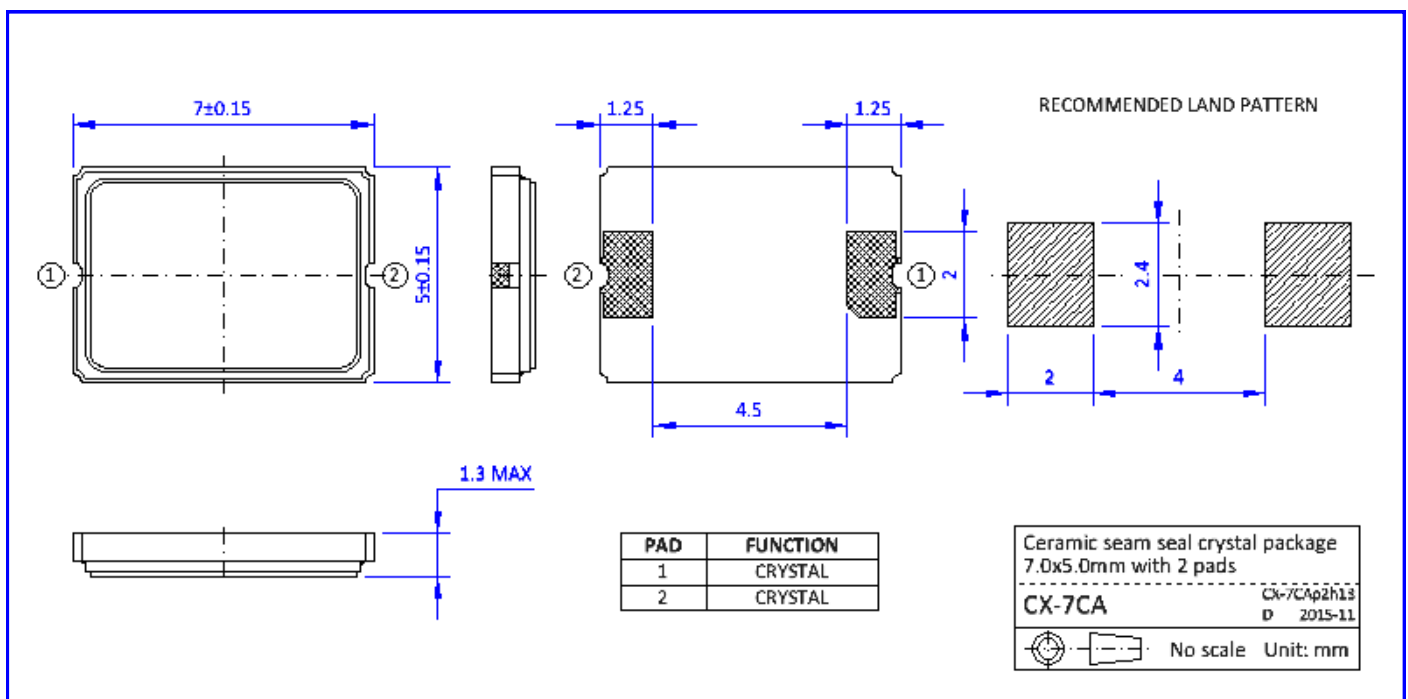
- MICROPROCESSOR
- LAN, WLAN, MODEM
- MOBIL COMMUNICATION
- PORTABLE DEVICES.



PRODUCT SPECIFICATIONS

PARAMETER	SYMBOL	SPECIFICATIONS	REMARKS
FREQUENCY RANGE	F_N	5.5 ~ 120.0MHZ	FUNDAMENTAL UP TO 50MHZ
OPERATION MODE	—	FUNDAMENTAL / 3RD OVERTONE	OVERTONE ABOVE 40MHZ
FREQUENCY TOLERANCE	$\Delta f/f$	± 10 PPM, ± 20 PPM, ± 30 PPM, ± 50 PPM	OTHER OPTIONS AVAILABLE
STABILITY OVER OPERATING TEMP.	T_C	± 10 PPM, ± 20 PPM, ± 30 PPM, ± 50 PPM	DEPENDING ON OPERATING TEMPERATURE RANGE
OPERATING TEMPERATURE RANGE	T_{OP}	-20°C ~ +70°C OR -40°C ~ +85°C	OTHER OPTIONS AVAILABLE
LOAD CAPACITANCE	CL	8 TO 32PF OR SERIES	PLEASE SPECIFY LOAD CAPACITANCE
EQUIVALENT SERIES RESISTANCE	ESR	100Ω MAX	FUND MODE 5.5 ~ 6MHZ
		80Ω MAX	FUND MODE 6 ~ 8MHZ
		70Ω MAX	FUND MODE 8 ~ 10MHZ
		50Ω MAX	FUND MODE 10 ~ 16MHZ
		40Ω MAX	FUND MODE 16 ~ 20MHZ
		30Ω MAX	FUND MODE 20 ~ 60MHZ
		100Ω MAX	3RD OT MODE 24 ~ 40MHZ
		80Ω MAX	3RD OT MODE 40 ~ 120MHZ
DRIVE LEVEL	DL	100μW TYP, 500μW MAX	—
AGING FIRST YEAR	$\Delta f/y_1$	± 5 PPM	@+25°C

MECHANICAL DIMENSIONS



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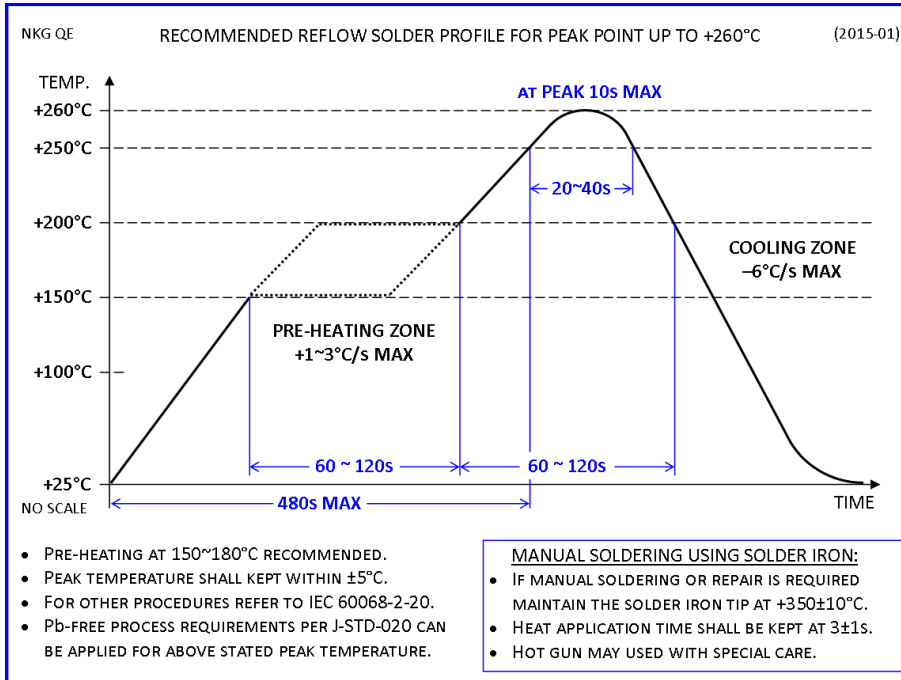
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ENVIRONMENTAL COMPLIANCE INFORMATION

- ROHS 6/6 COMPLIANT (DIRECTIVE 2011/65/EC) AND LEAD-FREE.
- COMPLIANT TO ROHS 2 (DIRECTIVE 2015/863) (ALSO CALLED ROHS 10).
- HALOGEN-FREE PER DEFINITION OF IEC 61249-2-21 2033.
- NONE-USE OF SVHCs PER REACH IS CURRENTLY GIVEN, CONTINUOUSLY MONITORED AND UPDATED AS THE COMMISSION ISSUES NEW RELEASES.
- PRODUCT DOES NOT CONTAIN ANY PHTHALATES (PHS).
- PRODUCT DOES NOT CONTAIN PVC (POLYVINYL CHLORIDE).
- PRODUCT DOES NOT CONTAIN PFOS/PFOA NOR BEING SAME USED TO MANUFACTURE THE COMPONENTS OF THIS PRODUCT.
- MOISTURE SENSITIVITY LEVEL (MSL) 1 PER J-STD-020C.

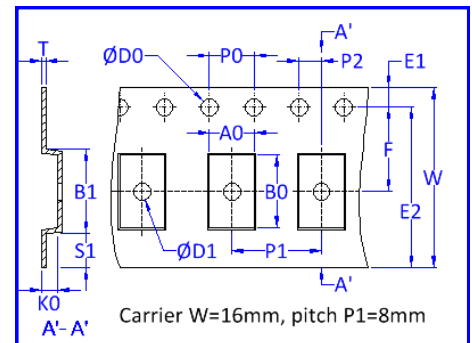


SOLDERING RECOMMENDATIONS



PACKAGING INFORMATION

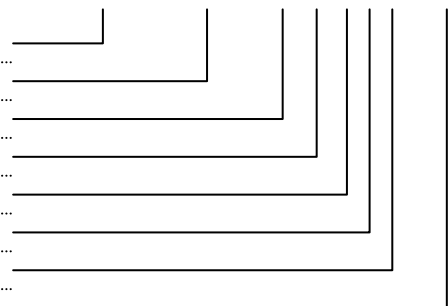
- PACKAGING IN TAPE & REEL IN COMPLIANCE TO EIA-481.
- QTY PER REEL: 1,000PCS
- REEL DIA A=180MM.
- EMBOSSED CARRIER TAPE WIDTH W = 16MM.
- COMPONENT PITCH P1 = 8MM.



PART NUMBER SYNTAX

- PART NUMBER FAMILY (REPRESENTS PRODUCT MODEL AND PACKAGE SIZE / TYPE)
- NOMINAL FREQUENCY (IN MHZ WITH AT LEAST FOUR DIGITS AFTER DECIMAL POINT)
- OPERATION MODE CODE (F = FUNDAMENTAL / T = 3RD OVERTONE)
- LOAD CAPACITANCE (ACTUAL VALUE OR "00" FOR SERIES)
- OPERATING TEMPERATURE RANGE CODE (I.E. C= -10~60°C, E= -20~70°C, M= -40~85°C)
- FREQUENCY TOLERANCE DESIGNATOR (I.E. 1=10PPM, 2=20PPM, Y=15PPM, Z=25PPM)
- FREQUENCY STABILITY DESIGNATOR (I.E. 3=30PPM, 5=50PPM, Y=15PPM, Z=25PPM)
- PART NUMBER EXTENSION (ONLY FOR NONE-STANDARD OR CUSTOMIZED PART)

S7CA 25.0000 F 18 E 23 -EXT



FOR MORE INFORMATION PLEASE CONTACT US.

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