

QUARTZ CRYSTAL UNIT IN CERAMIC GLASS SEAL SMD PACKAGE, SIZE 3.2 X 2.5MM.

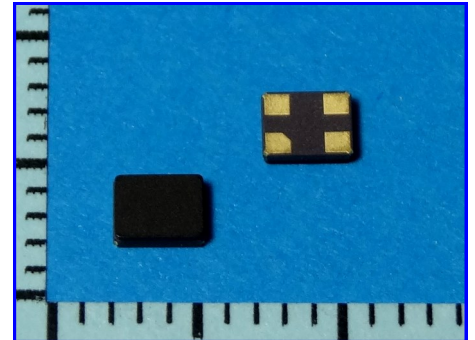
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PRODUCT FEATURES

- MINIATURE PACKAGE SIZE 3.2 X 2.5 X 0.8MM WITH 4 PADS.
- LOW COST ALTERNATIVE TO COMMON SEAM SEAL PACKAGES.
- AUTOMOTIVE GRADE COMPLIANT TO AEC-Q200 IS AVAILABLE.
- ROHS COMPLIANT BY EXEMPTION.

APPLICATIONS

- WIRELESS, BLUETOOTH
- MOBIL COMMUNICATION
- PORTABLE DEVICES
- USB MEMORY DEVICES.



PRODUCT SPECIFICATIONS

PARAMETER	SYMBOL	PARAMETER VALUES / LIMITS	CONDITIONS / REMARKS
FREQUENCY RANGE	F_N	12.0 ~ 55.0MHZ	—
OPERATION MODE	—	FUNDAMENTAL	—
FREQUENCY TOLERANCE	$\Delta f/F_N$	± 20 PPM, ± 30 PPM, ± 50 PPM	OTHER OPTIONS AVAILABLE
STABILITY OVER OPERATING TEMP.	T_C	± 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	150Ω MAX 100Ω MAX 80Ω MAX 60Ω MAX	12 ~ 14MHZ 14 ~ 16MHZ 16 ~ 20MHZ 20 ~ 55MHZ
DRIVE LEVEL	DL	10μW TYP, 200μW MAX	—
AGING FIRST YEAR	$(\Delta f/F_N)y_1$	± 5 PPM	@+25°C

MECHANICAL DIMENSIONS

RECOMMENDED LAND PATTERN

PAD	FUNCTION
1	CRYSTAL
2	N.C. or GND
3	CRYSTAL
4	N.C. or GND

Ceramic glass seal crystal package
3.2x2.5mm with 4 pads

CX-3G CX-3Gp4h09
C 2015-11

No scale Unit: mm

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SIZE 3.2 X 2.5MM.

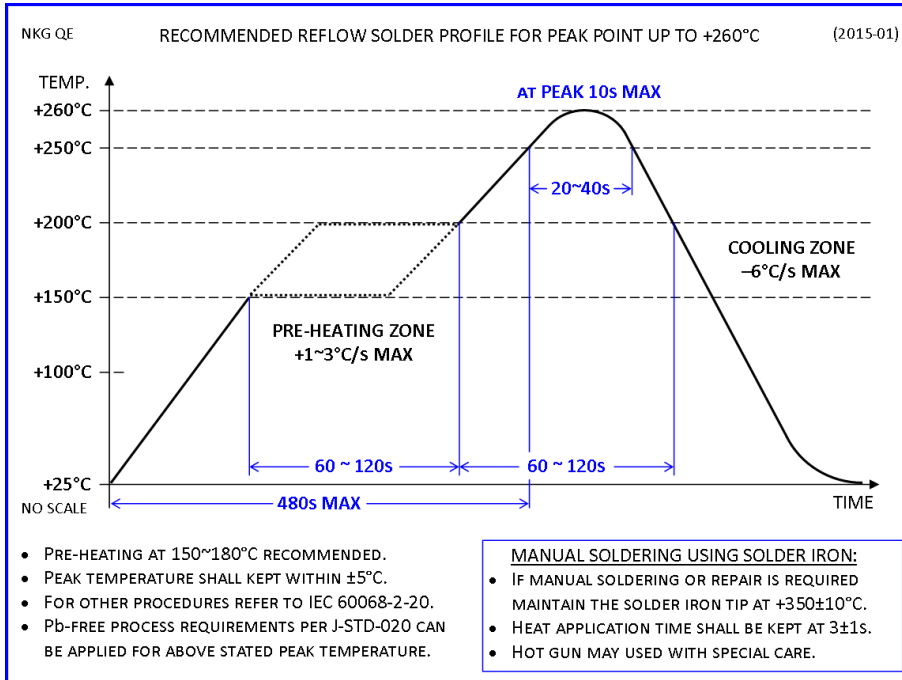
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ENVIRONMENTAL COMPLIANCE INFORMATION

- ROHS 6/6 COMPLIANT (DIRECTIVE 2011/65/EC) BY EXEMPTION 7(c)-1.
- 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.

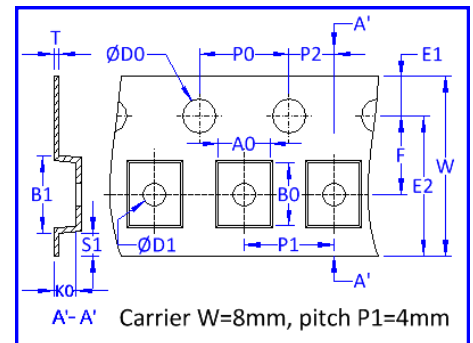


SOLDERING RECOMMENDATIONS



PACKAGING INFORMATION

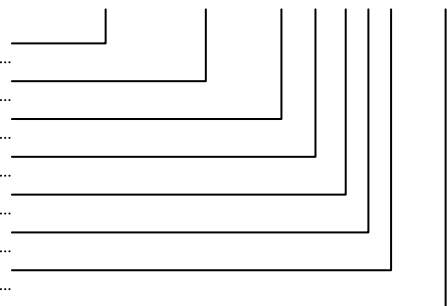
- PACKAGING IN TAPE & REEL IN COMPLIANCE TO EIA-481.
- QTY PER REEL: 3,000PCS
- REEL DIA A=180MM.
- EMBOSSED CARRIER TAPE WIDTH W = 8MM.
- COMPONENT PITCH P1 = 4MM.



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. 2=20PPM, 3=30PPM, Y=15PPM, Z=25PPM)
- FREQUENCY STABILITY DESIGNATOR (I.E. 5=50PPM, 0=100PPM, Y=15PPM, Z=25PPM)
- PART NUMBER EXTENSION (ONLY FOR NONE-STANDARD OR CUSTOMIZED PART)

S3G 25.0000 F 18 E 25 -EXT



FOR MORE INFORMATION PLEASE CONTACT US.

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