

1. ELECTRICAL CHARACTERISTICS

(This test shall be performed under the conditions of temp.at 25 ± 3°C, Relative Humidity 60% max.)

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|---|------------------------------|-----------------|--|
| (1) NOMINAL FREQUENCY | 8.000000 MHz | | |
| (2) OVERTONE ORDER | Fundamental | | |
| (3) LOAD CAPACITANCE(CL) | 10.0 pF | | |
| (4) FREQUENCY TOLERANCE | ±30 ppm max. (at +25 ± 3 °C) | | |
| (5) DRIVE LEVEL | 10 ± 2 μW | | |
| (6) SERIES RESISTANCE | 400 Ω max. (at Series) | | |
| (7) OPERATING TEMPERATURE RANGE | -40 ~ +85 °C | | |
| (8) FREQUENCY CHARACTERISTICS OVER TEMPERATURE | ±50 ppm max. / -40 ~ +85 °C | (ref. to +25°C) | |
| (9) SHUNT CAPACITANCE | 2pF max. | | |
| (10) INSULATION RESISTANCE | 500MΩ min. / DC 100 ± 15V | | |
| (11) STORAGE TEMPERATURE RANGE | -40 ~ +85 °C | | |

2. CONSTRUCTION

(1) DIMENSIONS AND MARKING Refer to 4.

3. OTHER SPECIFICATIONS

- (1) EMBOSS CARRIER TAPE & REEL Refer to 5.
- (2) PACKING Refer to 6.
- (3) REFLOW CONDITIONS (REFERENCE) Refer to 7.
- (4) LAND PATTERN (REFERENCE) Refer to 8.
- (5) RELIABILITY SPECIFICATION Refer to 9.~11.
- (6) OTHER HANDLING INSTRUCTIONS Refer to 12.

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|--|-------------------------------|------|--------------------|
| TITLE DSX321G TYPE QUARTZ CRYSTAL SPECIFICATION | REMARK | | |
| DATE 2012/01/05 | SPEC. No. 1C208000CE0H | REV. | PAGE 1 / 12 |