

ASO23C CMOS Compatible

3.3 Volt 2.5x2.0mm Surface Mount Ceramic Crystal Oscillator

Applications:

- SD Card
- Portable Multi - Media Player
- Portable PC
- HDD
- OA Terminal
- CCD
- Digital Camera
- Wireless LAN

FEATURES

- Seam Seal
- Excellent Solderability
- Tri-State
- CMOS Compatible
- Low Power Consumption
- RoHS Compliant

SPECIFICATION

| MODEL | | ASO23C |
|----------------------|--------------|--------------------|
| Frequency Range | MHz | 2.000 ~ 50.000 |
| Frequency Stability* | ppm | ±20 ~ ±100 |
| Temperature Range | | |
| Operating Temp | °C | -10 to +70 |
| Storage Temp | °C | -55 to +125 |
| Power Supply Voltage | VDC | +3.3 ± 10% |
| Output Level | | CMOS |
| Output Symmetry | %** | 40~60 (at 50% VDD) |
| Input Current | | |
| 1~9.99MHz | mA (Max.) | 7 |
| 10~19.99MHz | | 7 |
| 20~31.99MHz | | 12 |
| 32~50.00MHz | | 20 |
| Rise / Fall Time | | |
| 1~9.99MHz | nS (Max.) | 6 |
| 10~19.99MHz | | 6 |
| 20~31.99MHz | | 5 |
| 32~50.00MHz | | 5 |
| Output Load | | 15pF |
| Aging | ppm/Year | ±3 |

* Inclusive of 25°C ± 3°C & Operating Temperature Range.

** Symmetry of 45~55% is available.

ENABLE / DISABLE FUNCTION

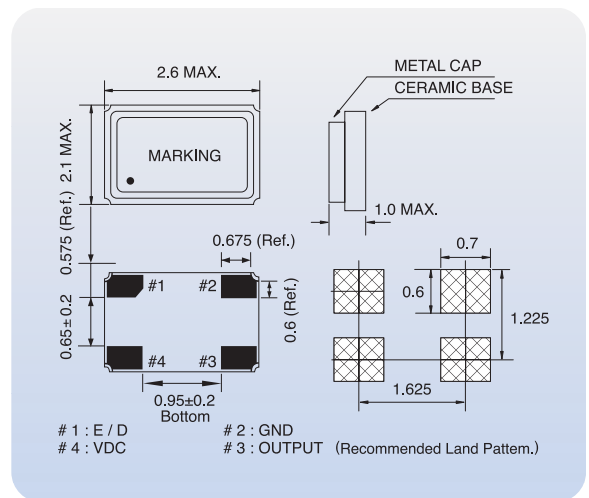
| INH (# 1) | OUTPUT (# 3) |
|-------------|----------------|
| HIGH (Open) | Operating |
| Low | High impedance |

PART NUMBERING GUIDE

Example: ASO23C-25M-F2T

| MODEL | Frequency | Stability | OP Temp Range | Tristate |
|--------|-----------|---|--|--------------------------------|
| ASO23C | In MHZ | C: ±20ppm D: ±25ppm E: ±30ppm F: ±50ppm G: ±100ppm O: Others | 1: 0 to +70°C 2: -10 to +70°C 3: -20 to +70°C 4: -20 to +80°C 5: -40 to +85°C 6: -40 to +105°C 0: Others | T: Tristate N: Non-Tristate |

DIMENSION (mm)



MARKING RULE

