

SPE2 OSCILLATOR



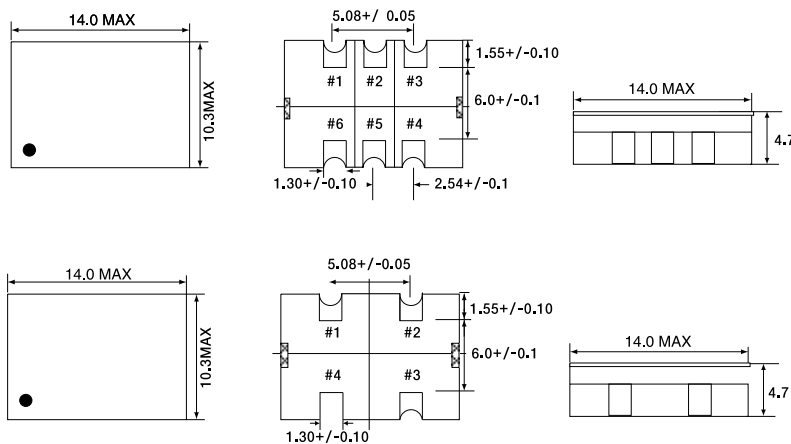
| Specifications | | |
|----------------------------|---|---|
| Parameters | Standard | Options |
| Frequency range | 19,440 MHz - 850 MHz | |
| Logic output | LVPECL | PECL |
| Frequency stability | | |
| Overall | +/- 50,0 ppm | +/-15,0 ppm best possible |
| Initial at 25°C | Please specify | |
| Temperature | | |
| vs supply voltage change | | |
| vs load change | | |
| Aging first year | | |
| Aging over Years | | |
| Operating temperature | 0° C ~ +70°C | -20°C ~ +70°C -40°C ~ +85°C Other on custom request |
| Storage temperature | -40°C ~ +85°C | -55°C ~ +125°C |
| Supply voltage | 3,3 V +-5% | 5,0 V +-5% Other on custom request |
| Current | 80 mA max | |
| Load | Vcc-2,0 V into 50 ohm | |
| Rise/fall time | 2 ns max | Other on custom request |
| Duty cycle | 40/60 % | 45/55 % Other on custom request |
| Jitter (12kHz ~20,0 MHz) | < 184,320 MHz : 1ps RMS > 184,320 MHz : 4,5 ps RMS | Other on custom request |
| Phase noise | Please specify (if required) | |
| Harmonics | | |
| Sub-harmonics | | |

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Specifications

| Parameters | Standard | Options |
|---------------|--------------------------|--|
| Start-up time | 10 ms max. | Other on custom request |
| Tristate | no tristate | low or open = enable high = disable |
| Marking | Freq + Code + Week +Year | |
| Package | SP2 4pad | SP2 6pad |
| | | Other SP2 package dimensions available |

Drawing



| Pin configuration | 6 pad version | 4 pad version |
|-------------------|---------------------------|--------------------------|
| | #1: NC | #1: Complementary output |
| | #2 : E/D | #2 : GND |
| | #3 : GND | #3 : Output |
| | #4 : Output | #4 : Vcc |
| | #5 : Complementary output | |
| #6 : Vcc | | |

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