

SP7CT OSCILLATOR



| Specifications | | |
|--------------------------|--------------------------------|--------------------------|
| Parameters | Standard | Options |
| Frequency range | 5,0 MHz - 25,000 MHz | |
| Logic output | HCMOS / TTL | |
| Frequency stability | | |
| Overall | +/- 5,0 ppm | +/-3,0 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 |
| | | -30°C ~ +75°C |
| | | Other on custom request |
| Storage temperature | -40°C ~ +85°C | -55°C ~ +125°C |
| Supply voltage | 5,0 V ± 5% | 3,3 V ± 5% |
| Current | 20,0 mA max | |
| Duty Cycle | 45 / 55 % | |
| Rise/fall times | 5 ns max. | |
| Load | 15 pF or 2TTL | |
| Jitter | Please specify (if required) | |
| Phase noise | | |
| Harmonics | | |
| Sub-harmonics | | |
| Start-up time | 4 ms max. | Other on custom request |
| Marking | Freq + Code + Week +Year | |

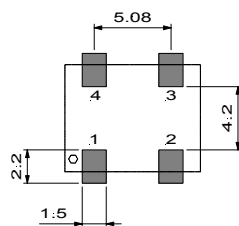
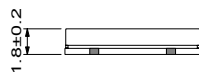
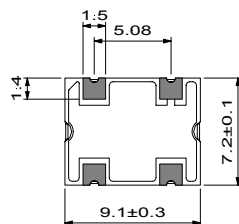
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Specifications

| Voltage Control Options | | Options |
|--------------------------|-------------------------------|----------------------------------|
| External control voltage | +2,5 VDC \pm 2,0 VDC (5,0V) | + 1,65 VDC \pm 1,35 VDC (3,3V) |
| Linearity | \pm 10% max. | |
| Frequency tuning range | \pm 10 ppm | Other on custom request |
| Pulling slope | Positive | |

Drawing

| | | |
|---------|----------|--|
| Package | SP7 4pad | |
|---------|----------|--|



PC board footprint

| | | |
|-------------------|----------------|--|
| pin configuration | #1 : GND / Vco | |
| | #2 : GND | |
| | #3 : Output | |
| | #4 : Vcc | |