

SPE8VF OSCILLATOR

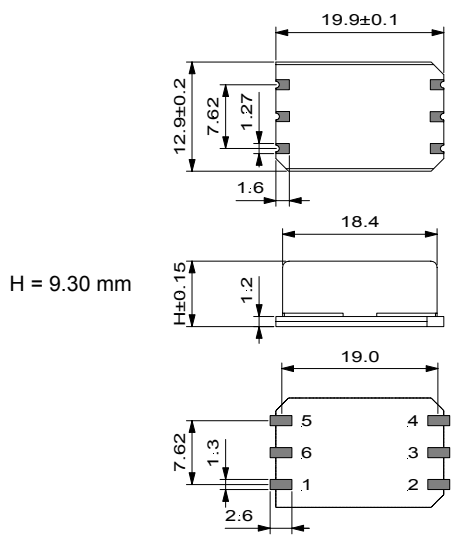
| Specifications | | |
|--------------------------------|--------------------------|-----------------|
| Parameters | Standard | Options |
| Frequency range | 40 MHz - 160 MHz | |
| Logic output | LVPECL | PECL |
| Frequency stability | | |
| Initial at 25°C | ± 10 ppm | |
| Temperature | ± 25 ppm | ± 15 ppm |
| vs supply voltage change | ± 3 ppm | |
| vs load change | ± 0,5 ppm | |
| Aging first year | ± 2 ppm | |
| Operating temperature | 0° C ~ +70°C | |
| Storage temperature | -40°C ~ +85°C | |
| Supply voltage | 3,3 V +-5% | 5,0 V +-5% |
| Current | 60 mA max | |
| Load | Vcc-2,0 V into 50 ohms | |
| Rise/fall time | 0,5 ns max. | |
| Duty cycle | 45/55 % | |
| Jitter RMS (12kHz ~ 5,0 MHz) | 0,5 ps max | |
| Start-up time | 10 ms max. | |
| Linearity | ± 10% max. | |
| Frequency tuning range | ±100 ppm min | |
| Pulling slope | Positive | |
| External control voltage | + 1,65 VDC ±1,35 VDC | +2,5 VDC ±2 VDC |
| Marking | Freq + Code + Week +Year | |

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Specifications

Drawing

| | | |
|---------|------------|--|
| Package | SP8 6 pads | |
|---------|------------|--|



| | | |
|-------------------|---------------------------|--|
| Pin configuration | #1 : V control | |
| | #2 : GND | |
| | #3 : Output | |
| | #4 : Complementary output | |
| | #5 : Vcc | |
| | #6 : NC | |