

SURFACE MOUNT HCMOS VCXO

| SPECIFICATIONS | | VSH31*** |
|--|---------------|---|
| Frequency Range | | 125KHz to 33MHz |
| Frequency Stability | | ±25ppm |
| Temperature Range | | 0°C to +85°C |
| Waveform | | HCMOS Squarewave |
| Load | | 15pF |
| Output | Voltage Voh | 4.50V Minimum |
| | Vol | 0.40V Maximum |
| | Current Ioh | -4.0mA |
| | Iol | 4.0mA |
| Duty Cycle | | 45/55 Maximum Measured @ 2.5Vdc |
| Rise/Fall Time | | 6nS Maximum |
| Jitter (RMS) | | 10pS Maximum |
| Frequency Control | | |
| Control Voltage Code (add to model number) | | |
| 0 | 0.5 to 4.5Vdc | Positive Transfer Characteristic |
| 1 | 0.0 to 5.0Vdc | |
| Deviation Code (add to model number) | | |
| 12 | 100 (±50ppm) | |
| 15 | 150 (±75ppm) | |
| 22 | 200 (±100ppm) | |
| 32 | 300 (±150ppm) | |
| Center Frequency | | 2.5Vdc ±0.5Vdc |
| Monotonic Linearity | | < ±10% |
| Input Impedance | | ≥50K ohm at ≤10KHz |
| Modulation Bandwidth | | ≥15KHz |
| Supply Voltage | | +5Vdc ±5% |
| Supply Current | | 30mA Maximum |
| Package | | Hermetically sealed, leadless ceramic package |
| Optional Suffix | T | Duty Cycle 45/55 Maximum Measured @ 1.4Vdc |

