



DIP 14 OCXO's

| MODEL | OV18 | OV28 |
|---------------------------------|--|--|
| FREQ' RANGE | 10.00 to 100.00 MHz | |
| CRYSTAL CUT | SC | AT |
| LONG TERM STABILITY (AGING) | ± 1 PPB Max. per day ± 100 PPB Max. per year | ± 3 PPB Max. per day ± 500 PPB Max. per year |
| FREQ' STABILITY VS. TEMPERATURE | See "How - To - Order" instructions | |
| | Typical: ±0.2 PPM Best : ±0.05 PPM | Typical: ±0.5 PPM Best : ±0.1 PPM |
| OUTPUT WAVEFORM | See "How - To - Order" instructions HCMOS, TTL, Sine Wave +3dBm Min. (Available up to +7dBm) | |
| LOAD | 3 Gates for logic output 50Ω for Sine Wave output | |
| SUPPLY VOLTAGE | See "How - To - Order" instructions | |
| WARM UP TIME | Typical: To within ±0.15 PPM from final frequency in 4 min @25°C | |
| SUPPLY POWER (at 25°c) | 3.5W for warm-up 1.5W Max. at Steady State | |
| FREQ' ADJUSTMENT RANGE | Typical: ±0.5 PPM Min. by external voltage | Typical: ±2.5 PPM Min. by external voltage |
| | Covers 15 years Aging | |
| CONTROL VOLTAGE RANGE | +0.5 to Vcc-0.5V | |
| SLOPE | Positive | |
| LINEARITY | ± 10% Max. | |
| REFERENCE VOLTAGE | Per customer requirement | |
| PHASE NOISE | Typical Offset: -115 dBc at 10 Hz -135 dBc at 100 Hz -140 dBc at 1 KHz -150 dBc at 10 KHz -155 dBc at 100 KHz | Typical Offset: -100 dBc at 10 Hz -125 dBc at 100 Hz -135 dBc at 1 KHz -145 dBc at 10 KHz -150 dBc at 100 KHz |
| | Available in different performance | |



The authorized distributor in the Greater China Region

Environmental Conditions

SHOCK

IEC 68-2-27 (Test Ea) 30G, 18 mSec, Half Sine

VIBRATION

IEC 68-2-6 (Test Fc), 0.35mm, 5G, 10-2000Hz, 6 cycles/ axis

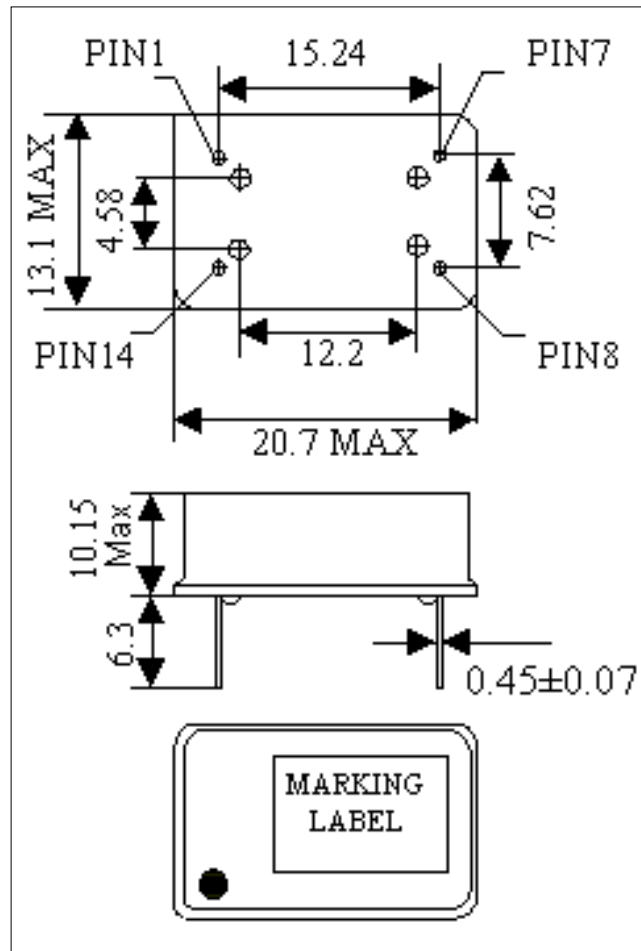
THERMAL SHOCK

IEC 68-2-14 (Test Na), 30 min. in each extreme temperature

OV18, OV28

| Pin | Function |
|-----|--------------|
| 1 | V control |
| 7 | GND |
| 8 | RF Output |
| 14 | Sup' Voltage |

Dimensions in mm.



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