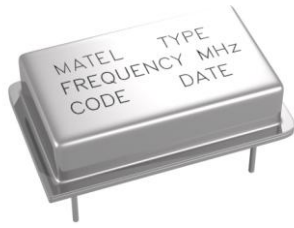


DIL14 TCXO

TF-15 & TF-25



| FEATURES |
|--------------------------|
| 6 to 190 MHz Sinewave |
| APPLICATIONS |
| Datcoms |

Electrical Parameters

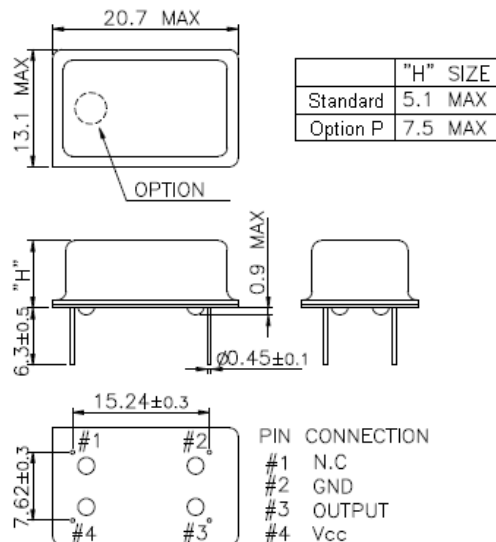
| Parameters | Conditions | TF-15 | TF-25 |
|-----------------------------|-----------------------|---------------------------------------|------------|
| Frequency Range | | 6 ~ 190 MHz | |
| Frequency Calibration | At 25°C | ± 1 ppm | |
| Frequency Stability | Over T _{OPR} | ± 0.5 ppm ~ ± 5 ppm | |
| Frequency Adjustment | Option P | ±3ppm min by internal trimmer(OPTION) | |
| Stability vs.power change | V _{DD} ± 5% | ±0.2 ppm | |
| Stability vs.load change | 50 Ω ± 10% | ±0.2 ppm | |
| Operating Temperature Range | | 0 ~ 70°C , -40 ~ 85°C | |
| Storage Temperature Range | | -55°C ~ 125°C | |
| Power Supply Voltage | | +5V ± 5% | +3.3V ± 5% |
| Ageing (First Year) | 25°C ± 3°C | ± 1ppm Max | |
| Supply Current | | 30mA Max | |
| Output Sinewave | 50 Ω | 10 dBm typ | 0 dBm typ |
| Phase Noise (typical) | | -80 dBc / Hz @ 10Hz | |
| | | -120 dBc / Hz @ 100Hz | |
| | | -135 dBc / Hz @ 1KHz | |
| | | -140dBc / Hz @ 10KHz | |
| | | -145 dBc / Hz @ 100kHz | |

Ordering Code

| Temperature Range | Code | Stability | Code | Internal Code | Internal Code | Option | Code |
|-------------------|------|-----------|------|---------------|---------------|------------------|------|
| 0 + 70°C | B | ± 0.5 ppm | Q | 0 | 0 | Internal trimmer | P |
| - 10 + 60°C | C | ± 1 ppm | P | | | | |
| - 20 + 70°C | E | ± 2 ppm | M | | | | |
| - 40 + 85°C | H | ± 5 ppm | H | | | | |

example: _TF-25BP00P 10MHz

Mechanical Dimensions (mm)



DIL14-TCXO

| | | | | | | | |
|------|---------------|----------|----|---------|----|------|------------|
| TYPE | TF-15 & TF-25 | REVISION | 01 | CHECKED | PB | DATE | 25/06/2015 |
|------|---------------|----------|----|---------|----|------|------------|

All specifications are subject to change without notice