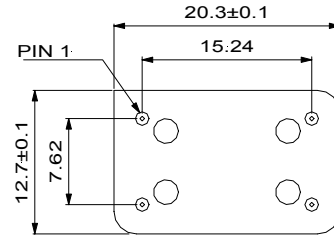


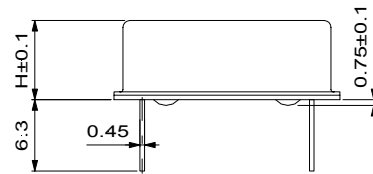
**DIL 14 STRATUM III TCXO**  
**DFA 14-CH (5 V) & DFA 14-CLH (3.3 V)**

| KEY FEATURES                         |
|--------------------------------------|
| 1.5 to 20 MHz                        |
| Stratum III compliant over 0 to 70°C |
| Analogue temperature compensation    |
| APPLICATIONS                         |
| Stratum III                          |

| Function | DFA 14 |
|----------|--------|
| N/C      | 1      |
| GND      | 7      |
| Output   | 8      |
| Vcc      | 14     |



H = 8.50 mm



| TYPE                 | DFA 14-CH                           | DFA 14-CLH                          |
|----------------------|-------------------------------------|-------------------------------------|
| Frequency Range      | 1.5 to 20 MHz                       | 1.5 to 20 MHz                       |
| Standard Frequencies | 1.544; 12.8; 16.384; 19.44 & 20 MHz | 1.544; 12.8; 16.384; 19.44 & 20 MHz |

| ELECTRICAL SPECIFICATIONS           | DFA 14-CH            | DFA 14-CLH           |
|-------------------------------------|----------------------|----------------------|
| supply voltage                      | 5 V ± 5 %            | 3.3 V ± 5 %          |
| supply current ( no load)           | ≤ 20 mA              | ≤ 10 mA              |
| output load                         | HCMOS 15 pF or 2 TTL | HCMOS 15 pF or 2 TTL |
| duty cycle @ 50% level              | 45/55...55/45 %      | 45/55...55/45 %      |
| rise/fall times (10 to 90 %)        | ≤ 5 ns               | ≤ 5 ns               |
| high/low levels or output amplitude | ≥ 4.5 V / ≤ 0.5 V    | ≥ 2.8 V / ≤ 0.3 V    |
| start-up                            | ≤ 10 ms @ 4.75 V     | ≤ 10 ms @ 3.15 V     |

| FREQUENCY STABILITY           |                   |            | detailed tolerances [ ppm ]                      |           |                     |                       |                    |
|-------------------------------|-------------------|------------|--|-----------|---------------------|-----------------------|--------------------|
| type                          | temperature range | model code | stability versus:                                |           |                     | overall stability     | calibration @ 25°C |
|                               |                   |            | temperature                                      | Vcc ± 5 % | ageing              |                       |                    |
| all types                     | 0 to 50°C         | AS3        | ≤ ± 0.28   | ≤ ± 0.3   | ≤ ± 3 over 15 years | ≤ ± 4.6 over 15 years | ≤ ± 0.8            |
|                               | 0 to 70°C         | BS3        | ≤ ± 0.28   |           |                     |                       |                    |
| 24 hours drift (GR-1244-CORE) |                   |            | ≤ ± 0.04   |           |                     |                       |                    |
| 24 hours holdover mode        |                   |            | ≤ ± 0.37, full temperature range and Vcc ± 0.5 % |           |                     |                       |                    |

| ORDERING CODE | type + option code + frequency + model code |
|---------------|---|
| Example       | DFA 14-CLH 19.44 MHz AS3                    |