

| | | | | | | | | | | | |
|---|---|---|----|--------|--------|---------|------|-------|--------|--------|-----|
| L | H | H | fo | fo/16 | 0.75 | 0.89488 | 1.0 | 1.024 | 1.2288 | 1.25 | MHz |
| H | L | L | fo | fo/32 | 0.375 | 0.44744 | 0.5 | 0.512 | 0.6144 | 0.625 | MHz |
| H | L | H | fo | fo/64 | 187.5 | 223.72 | 250 | 256 | 307.2 | 312.5 | KHz |
| H | H | L | fo | fo/128 | 93.75 | 111.86 | 125 | 128 | 153.6 | 156.25 | KHz |
| H | H | H | fo | fo/256 | 46.875 | 55.93 | 62.5 | 64 | 76.8 | 78.125 | KHz |

Output disable must be tied to VDD if not used.

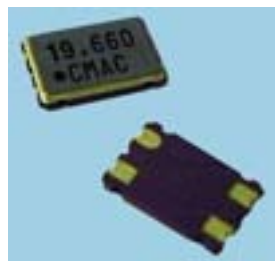
Output rise time 15ns max. Temperature stability +100ppm
 Output fall time 15ns max. Max. supply current 20mA
 Temperature range -10°C to +70°C Duty cycle 40 to 60%max.

Mfrs. List No.: EXO-3C+ Frequency in MHz

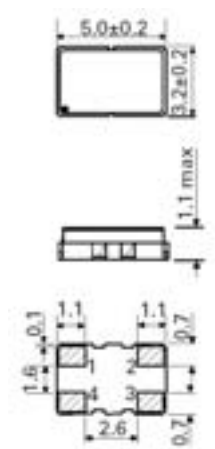
210516

| Frequency MHz | Order Code | 1+ | 10+ | 100+ |
|---------------|------------|--------|--------|--------|
| 12 | 221-715▲± | 383.00 | 296.00 | 216.00 |
| 12 | 971-3050● | 383.00 | 296.00 | 216.00 |
| 12.288 | 971-3190● | 742.00 | 515.00 | 396.00 |
| 14.31818 | 221-727▲± | 372.00 | 301.00 | -- |
| 14.31818 | 971-3069● | 372.00 | 301.00 | -- |
| 14.7456 | 971-3204● | 369.00 | 301.00 | -- |
| 16 | 971-3077● | 384.00 | 326.00 | 278.00 |
| 16.384 | 120-2570● | 331.00 | 300.00 | -- |
| 19.6608 | 221-752▲± | 376.00 | 289.00 | 231.00 |
| 19.6608 | 971-3085● | 376.00 | 289.00 | 231.00 |
| 20 | 221-764▲± | 331.00 | 278.00 | -- |
| 20 | 971-3093● | 331.00 | 278.00 | -- |
| 24 | 971-3212● | 567.00 | 392.00 | 302.00 |

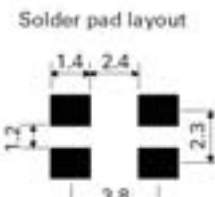
4-pin SMD Temperature Compensated Voltage Controlled Oscillator



A range of miniature surface mount temperature compensated voltage controlled crystal oscillators providing, a high degree of frequency stability over a wide temperature range.



Pad Connections
 1. Voltage Control
 2. GND
 3. Output
 4. +Vs



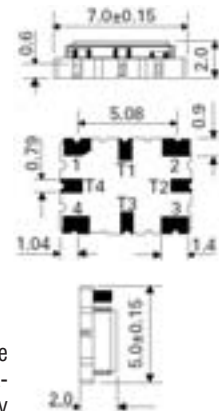
Supply Voltage 3V±0.15V
 Supply Current 2mA
 Voltage Control Change ±3ppm min. / ±7ppm max.

Output Waveform Clipped Sine
 Output 0.8V pk-pk

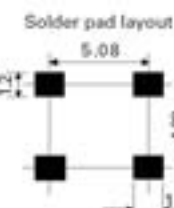
419549

| Frequency MHz | Order Code | 1+ | 10+ | 100+ |
|---------------|------------|--------|--------|--------|
| 12.8 | 110-0742● | 432.00 | 361.00 | 308.00 |
| 13 | 110-0743● | 432.00 | 361.00 | 308.00 |
| 19.2 | 110-0744● | 432.00 | 361.00 | 308.00 |
| 20 | 110-0745● | 432.00 | 361.00 | 327.00 |
| 26 | 110-0746● | 432.00 | 361.00 | 308.00 |

4-pin SMD Temperature Compensated Voltage Controlled Oscillator



Pad Connections
 1. Voltage Control
 2. GND
 3. Output
 4. +Vs
 T1, T2, T3, T4, Do Not Connect



A range of surface mount temperature compensated voltage controlled oscillators, providing a high degree of frequency stability over a wide temperature range.

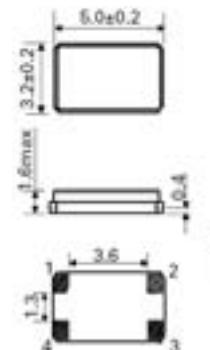
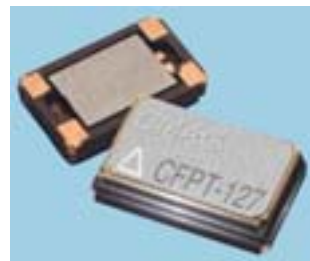
Supply Voltage 3.3V±0.17V Rise Time 8ns
 Supply Current 3mA Fall time 8ns
 Frequency stability 1ppm Duty cycle 45/45%



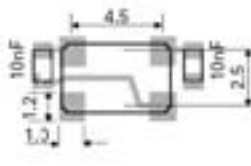
419581

| Frequency MHz | Order Code | 1+ | 10+ | 100+ |
|---------------|---------------|----------|--------|--------|
| 10 | SMD 110-0747● | 1,129.00 | 940.00 | 806.00 |
| 12.8 | SMD 110-0748● | 1,129.00 | 940.00 | 806.00 |
| 13 | SMD 110-0751● | 1,129.00 | 940.00 | 806.00 |
| 16.384 | SMD 110-0752● | 1,129.00 | 940.00 | 806.00 |
| 19.44 | SMD 110-0753● | 1,129.00 | 940.00 | 806.00 |
| 20 | SMD 110-0754● | 1,129.00 | 940.00 | 806.00 |
| 26 | SMD 110-0755● | 1,129.00 | 940.00 | 806.00 |
| 32.768 | SMD 110-0756● | 1,129.00 | 940.00 | 806.00 |
| 40 | SMD 110-0757● | 1,129.00 | 940.00 | 806.00 |

4-pin SMD Temperature Compensated Voltage Controlled Oscillator



Pad Function
 1. Do Not Connect
 2. GND
 3. Output
 4. +Vs



A range of surface mount temperature compensated crystal oscillators providing a high degree of frequency stability over a wide temperature range.

Supply Voltage 3V±0.3V
 Supply Current 2mA
 Ageing ±1ppm/ year typical in 1st year @ 25°C

Output Waveform Clipped Sinewave, DC-Coupled
 Output 0.8V pk-pk

419601

| Frequency MHz | Order Code | 1+ | 10+ | 100+ |
|---------------|---------------|----------|--------|--------|
| 16.32 | SMD 110-0761● | 1,129.00 | 940.00 | 806.00 |
| 16.8 | SMD 110-0763● | 1,129.00 | 940.00 | 806.00 |
| 19.2 | SMD 110-0765● | 1,129.00 | 940.00 | 806.00 |
| 24.5535 | SMD 110-0766● | 1,129.00 | 940.00 | 806.00 |
| 26 | SMD 110-0767● | 1,129.00 | 940.00 | 806.00 |
| 33.6 | SMD 110-0768● | 1,129.00 | 940.00 | 806.00 |

Quartz Crystals

Watch Crystals



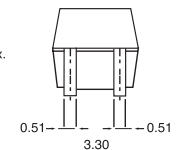
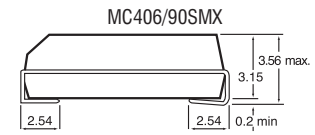
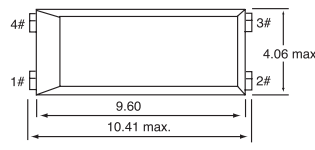
Watch A/B
 Frequency 32.76800 KHz
 Load Capacitance 12.5pF



MC406/90SMX



MC306



85SMX

Semiconductors - Integrated Circuits

23

Compliant
 Non-compliant
 Limited stock - RoHS replacement available
RoHS