

PRODUKT-INFO

SCO-700 SMD OSCILLATOR SERIES

FEATURES

1. Ultra miniature package clock oscillator with size of 7.0 x 5.0 x 1.5 mm.
2. Tri-State enable / disable.
3. TTL/HCMOS compatible.
4. IR Re-flow.
5. Tape and Reel.
6. 5.0V, 3.3V, 2.8V and 1.8V option.



Actual Size



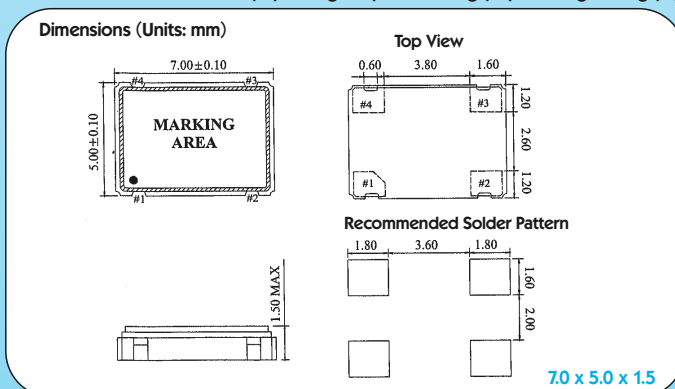
APPLICATION

PC, Telecommunication devices and equipment.

ELECTRICAL SPECIFICATIONS

| Model | Condition | SCO-755 | SCO-756 | SCO-765 | SCO-766 | SCO-735 | SCO-736 | SCO-745 | SCO-746 | SCO-725 | SCO-726 | SCO-718 | SCO-716 |
|-----------------------------|--|--|---------|---------|---------|---|---------|---------|---------|--|---------|--|---------|
| Frequency Range | | 1.0 MHz ~ 100.0 MHz | | | | 1.0 ~ 133.0 MHz | | | | | | | |
| Frequency Stability | All Condition* | ±25 ppm / ±50 ppm / ±100 ppm | | | | | | | | | | | |
| Operating Temperature Range | | -20°C to +70°C, -40°C to +85°C option | | | | | | | | | | | |
| Storage Temperature Range | | -55°C to +125°C | | | | | | | | | | | |
| Supply Voltage | | 5.0 V ±10% | | | | 3.3 V ±10% | | | | 2.8 V ±10% | | 1.8 V ±10% | |
| Supply Current | 1.0 ~ 9.99 MHz 10.0 ~ 34.99 MHz 35.0 ~ 49.99 MHz 50.0 ~ 133.0 MHz | 15 mA max. 20 mA max. 35 mA max. 40 mA max. | | | | 8 mA max. 10 mA max. 25 mA max. 35 mA max. | | | | 7 mA max. 8 mA max. 20 mA max. 30 mA max. | | 6 mA max. 7 mA max. 15 mA max. 25 mA max. | |
| Output Symmetry | at 1/2 V _{DD} | 40~60% | 45~55% | 40~60% | 45~55% | 40~60% | 45~55% | 40~60% | 45~55% | 40~60% | 45~55% | 40~60% | 45~55% |
| Rise Time | 10% V _{DD} ~ 90% V _{DD} | 6 ns max. | | | | | | | | 7 ns max. | | 8 ns max. | |
| Fall Time | 90% V _{DD} ~ 10% V _{DD} | 6 ns max. | | | | | | | | 7 ns max. | | 8 ns max. | |
| Output Voltage | V _{OH} V _{OL} | 90% V _{DD} min. 10% V _{DD} max | | | | | | | | | | | |
| Output Load | HCMOS Load | 15 pF typical | | | | | | | | | | | |
| Start Time | | 10 ms max. | | | | | | | | | | | |
| Stand-by Function | | Yes | | | | | | | | | | | |
| Pin 1, Tri-State Function | | pin 1=H or open ... Output active at pin 3 pin1=L ... high impedance at pin 3 | | | | | | | | | | | |
| Aging first year | at +25°C ±3°C | ±2 ppm / year max. | | | | | | | | | | | |

OPTIONS: * Include: 25°C tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration.



| Terminal | Connection |
|----------|-----------------|
| #1 | Tri-State |
| #2 | GND |
| #3 | Output |
| #4 | V _{DD} |

Crystals...
and more

Now available

RoHS
COMPLIANT
2002/95/EC

digital electronic
siegfried lehrer gmbh

Bubeshheimer Str. 5
D-89340 Leipzig (Germany)
www.digitallehrer.de
digital@digitallehrer.de

Telefon +49 (0) 82 21 / 7 08 - 0 · Telefax +49 (0) 82 21 / 7 08 - 80

All specifications subject to change without notice.