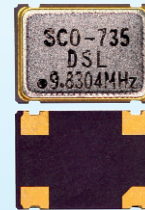


PRODUKT-INFO

SCO-700 SMD OSCILLATOR SERIES

FEATURES

1. Ultra miniature package clock oscillator with size of 7.0 x 5.0 x 1.5 mm.
SCO-710: 7.0 x 5.0 x 1.4 mm
2. Tri-State enable / disable (E/D).
3. TTL/HCMOS compatible.
4. IR Re-flow.
5. Tape and Reel.
6. Supply Voltage : 5.0 V, 3.3 V, 2.8 V and 1.8 V option.



Actual Size



APPLICATION

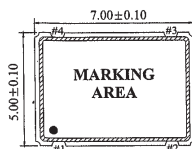
PC, Telecommunication devices and equipment.

ELECTRICAL SPECIFICATIONS

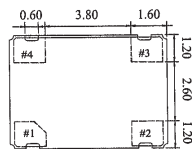
Model	Condition	SCO-755	SCO-735	SCO-736	SCO-745	SCO-725	SCO-726	SCO-718	SCO-716	SCO-710
Frequency Range		1.0 MHz ~ 100.0 MHz	1.0 ~ 133.0 MHz							312 kHz ~ 60.0 MHz
Frequency Stability	All Condition*	±25 ppm / ±50 ppm / ±100 ppm								
Operating Temperature Range		-20°C to +70°C, -40°C to +85°C option								-10°C to +70°C, -40°C to +85°C option
Storage Temperature Range		-55°C to +125°C								-50°C to +100°C
Supply Voltage		5.0 V ±10%	3.3 V ±10%			2.8 V ±10%		1.8 V ±10%		1.0 V ±5%
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.		6 mA max. (312 kHz ~ 30 MHz) 10 mA max. (30 ~ 60 MHz)
Output Symmetry	at 1/2 V _{DD}	45 ~ 55%	40 ~ 60%	45 ~ 55%	40 ~ 60%	40 ~ 60%	45 ~ 55%	40 ~ 60%	45 ~ 55%	50% ±10%**
Rise Time	10% V _{DD} ~ 90% V _{DD}	6 ns max.				7 ns max.		8 ns max.		6 ns max.
Fall Time	90% V _{DD} ~ 10% V _{DD}									
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 pin 1 = L ... high impedance at pin 3								
Aging first year	at +25°C ±3°C	±2 ppm / year max.								±3 ppm / year max.

OPTIONS: * Include: 25°C tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration. ** 50% ± 5% is also available.

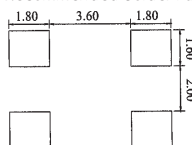
Dimensions (Units: mm)



Top View



Recommended Solder Pattern



7.0 x 5.0 x 1.5

Terminal Connection

#1	E/D
#2	GND
#3	OUTPUT
#4	V _{DD}

Crystals...
and more

Now available

RoHS
COMPLIANT
2002/95/EC

digital electronic
siegfried lehrer gmbh
Rudolf-Wanzl-Str. 3+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.