

# PRODUKT-INFO

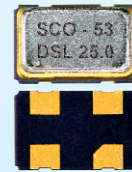
## SCO-53 \*NEW\* SMD 1.0 V OSCILLATOR

### FEATURES

1. Ultra small SMD seam clock crystal oscillator units.
2. Tri-State enable / disable available.
3. CMOS output.
4. Tape and Reel.
5. Supply voltage: 1.0 V

### APPLICATION

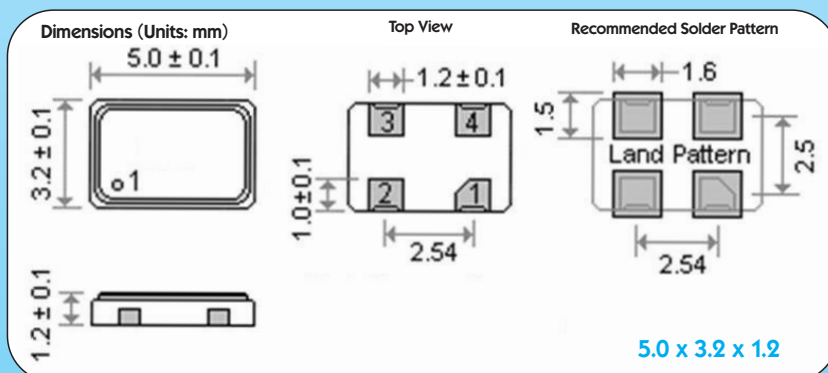
CPU, Graphics, Multimedia A/V clocks; MPEG / DVD / HDTV clocks; Laser engine pixel / set - top clocks; OC-3, OC-12, OC-48 and OC-192 clocks; SONET / SDH / ATM clocks; Fast Ethernet & Gigabit Ethernet clocks; NTSC / PAL encoder/decoder clocks; PLL / synthesizer clocks; Fibre channel & ADSL clocks.



Actual Size



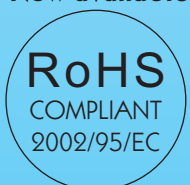
ELECTRICAL SPECIFICATIONS		
Model	Condition	SCO-53 (1.0 V)
Frequency Range	All Conditions*	312.0 kHz ~ 60.0 MHz
Frequency Stability		$\pm 25$ ppm / $\pm 50$ ppm / $\pm 100$ ppm
Operating Temperature Range		-10°C to +70°C, -40°C to +85°C option
Storage Temperature Range		-50°C to +100°C
Power Supply Voltage		1.0 V $\pm 5\%$
Supply Current	312.0 kHz ~ 30.0 MHz	2 mA max.
	30.0 MHz ~ 60.0 MHz	4 mA max.
Output Symmetry	at $1/2 V_{DD}$	50% $\pm 10\%$ (50% $\pm 5\%$ is available)
Rise Time	10% $V_{DD}$ ~ 90% $V_{DD}$	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		15pF typical (30 pF, 50 pF load available)
Start Time		10 ms typical
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 is not active
Aging first year	at +25°C $\pm 3$ °C	$\pm 3$ ppm / year max.



Terminal	Connection
#1	Tri-State
#2	GND
#3	Output
#4	$V_{DD}$

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and more

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All specifications subject to change without notice.