

CRYSTAL OSCILLATOR

PART NUMBERING GUIDE

SCO - 02 0 10 A D S R - 32.000M

<p>OUTPUT</p> <p>0 : 5.0V CMOS COMPATIBLE</p> <p>1 : 5.0V TTL</p> <p>2 : 5.0V CMOS</p> <p>3 : 3.3V CMOS COMPATIBLE</p> <p>FREQUENCY STABILITY</p> <p>10 : ± 10PPM</p> <p>25 : ± 25PPM</p> <p>50 : ± 50PPM</p> <p>BLANK : ±100PPM</p> <p>OPERATING TEMPERATURE RANGE</p> <p>A : -40°C ~ +85°C</p> <p>B : -20°C ~ +70°C</p> <p>BLANK : 0°C ~ +70°C</p>	<p>FREQUENCY</p> <p>M : MHz</p> <p>K : KHz</p> <p>TAPING</p> <p>BLANK : NONE(Standard)</p> <p>R : Reel & Tape</p> <p>PIN 1 CONNECTION</p> <p>S : TRI-STATE, E/D</p> <p>BLANK : NO CONNECTION</p> <p>DUTY CYCLE</p> <p>D : 55/45</p> <p>BLANK : 60/40</p>
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ELECTRICAL SPECIFICATIONS

OUTPUT		TTL	CMOS		TTL & CMOS COMPATIBLE
Frequency Range		125 KHz ~ 70 MHz	32.768KHz	125 KHz ~ 100 MHz	125 KHz ~ 125 MHz
Frequency Stability		±25 ~ ±100 PPM	±25 ~ ±100 PPM		±25 ~ ±100 PPM
Operating Temp. Range		0°C ~ 70°C	0°C ~ 70°C		0°C ~ 70°C
Power Supply	Osc. Voltage	+5.0VDC ±10% +3.3VDC ±10%	5.0VDC	+5.0VDC ±10% +3.3VDC ±10%	+5.0VDC ±10% +3.3VDC ±10%
	Osc. Current	20~80mA MAX	200µA MAX	10~80mA MAX	20~80mA MAX
Output	Duty cycle	50% ±10% (1.4V)	50% ±10% (1/2VDD)		50% ±10% (TTL:1.4V,C-MOS:1/2VDD)
	Rise/Fall time	10nS MAX	1nS MAX	10nS MAX	10nS MAX
	Fan out	1 to 10 TTL	15pF		1 to 10 TTL, 15pF
Option		Duty 55/45, Tri-state	Duty 55/45, Tri-state		Duty 55/45, Tri-state

MECHANICAL DIMENSIONS

