



## ▶ SCO-020

- HCMOS / TTL output
- 5.0V / 3.3V supply voltage
- 14 pin / 8 pin DIP package
- Custom lead length options available
- Wide frequency
- All-metal welded package

### ELECTRICAL SPECIFICATIONS

MODEL		SCO-02 Series	
Frequency Range		1.000 to 125.000 MHz	
Operating Temperature Range		0 to +70°C or -40 to +85°C	
Storage Temperature Range		-55 to +125°C	
Supply Voltage(VDD)		5.0VDC ±10%	3.3VDC ±10%
Frequency Tolerance/Stability		±100, ±50, ±25 ppm Max	
Input Current	1.000 to 20.000MHz	20mA Max	15mA Max
	20.001 to 40.000MHz	30mA Max	25mA Max
	40.001 to 80.000MHz	40mA Max	35mA Max
	80.001 to 125.000MHz	50mA Max	45mA Max
Load drive Capability		10TTL Load or 15pf HCMOS Load	
Output Voltage Logic High(VOH)	w/TTL Load	2.4VDC Min	
	w/HCMOS Load	90% of VDD Min	
Output Voltage Logic Low(VOL)	w/TTL Load	0.4VDC Max	
	w/HCMOS Load	10% of VDD Max	
Duty Cycle	at 50% of WaveForm	50 ±10% (STD)	
	w/HCMOS Load or 1.4VDC w/TTL Load	50 ±5% (Optional)	
Rise / Fall Time	1.000 to 20.000MHz	10nsec Max	
	20.001 to 70.000MHz	6nsec Max	
	70.001 to 125.000MHz	4nsec Max	
Aging (at 25°C)		±5 ppm/year Max	
Start up Time		10msec Max	
Pin 1 Tri-State Input Voltage	No Connection	Enables Output	
	VIH : 2.0VDC	Enables Output	
	VIL : 0.8VDC	Disables Output: High Impedance	
Period Jitter: Absolute		±100ps Max	
Period Jitter: One Sigma		±25ps Max	

### MECHANICAL DIMENSIONS

Please refer to next page.

## MECHANICAL DIMENSIONS

### ► SCO - 02

