

# PRODUKT-INFO

## SCO-600 SMD OSCILLATOR SERIES

### FEATURES

Ceramic Package with seam welding.



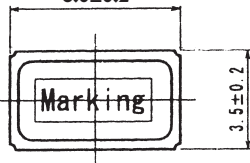
Actual Size



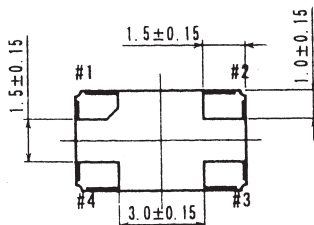
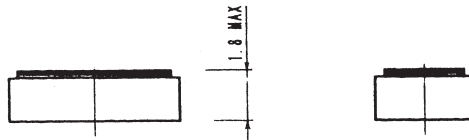
ELECTRICAL SPECIFICATIONS					
Model	Condition	SCO-655	SCO-656	SCO-635	SCO-636
Frequency Range		0.5 ~ 107 MHz		0.5 ~ 125 MHz	
Frequency Stability		±25 ppm / ±50 ppm / ±100 ppm			
Operating Temperature Range	All Conditions*	-20°C to +70°C, -40°C to +85°C option			
Storage Temperature Range		0°C to +70°C, -55°C to +125°C			
Power Supply Voltage		5.0V±10%		3.3V±10%	
Supply Current (* Load: 50 pF)	0.5~14.9 MHz	10 mA, *15 mA max.		10 mA, *10 mA max.	
	15.0~29.9 MHz	15 mA, *20 mA max.		15 mA, *15 mA max.	
	30.0~39.9 MHz	25 mA, *30 mA max.		20 mA, *25 mA max.	
	40.0~49.9 MHz	35 mA, *40 mA max.		25 mA, *30 mA max.	
	50.0~59.9 MHz	40 mA, *50 mA max.		30 mA, *35 mA max.	
	60.0~69.9 MHz	40 mA, *60 mA max.		35 mA, *45 mA max.	
			50 mA, *70 mA max. 70.0~89.9 MHz		45 mA, *60 mA max. 80.0~99.9 MHz
Output Symmetry	at 1/2 V <sub>DD</sub> (f <sub>0</sub> ≤ 50 MHz)	45% - 55%		45% - 55%	
	(f <sub>0</sub> > 50 MHz)	40% - 60%		40% - 60%	
Rise and Fall Time	at 10~90% V <sub>DD</sub> at 90~10% V <sub>DD</sub>	10 ns max. f <sub>0</sub> ≤ 40 MHz 6 max. f <sub>0</sub> > 40 MHz			
	at 0.4 ~ 2.4 V <sub>DD</sub>	10 ns max. f <sub>0</sub> ≤ 40 MHz 6 max. f <sub>0</sub> > 40 MHz			
Output Voltage	„0“ Level: V <sub>OL</sub> „1“ Level: V <sub>OH</sub>	0.1 V <sub>DD</sub> max. 0.9 V <sub>DD</sub> min.	0.4 V <sub>DD</sub> max. 2.4 V <sub>DD</sub> min.	0.1 V <sub>DD</sub> max. 0.9 V <sub>DD</sub> min.	0.4 V <sub>DD</sub> max. 2.4 V <sub>DD</sub> min.
Output Level		CMOS	TTL	CMOS	TTL
Output Load		15 pF (*50pF max.)	2TTL/5TTL/10TTL	15 pF (*50pF max.)	2TTL/5TTL/10TTL

Dimensions (Units: mm)

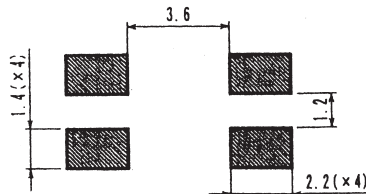
6.0±0.2



6.0 x 3.5 x 1.8



Recommended Solder Pattern



Terminal Connection

#1	N.C.
#2	GND
#3	OUTPUT
#4	V <sub>DD</sub>

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All specifications subject to change without notice.