

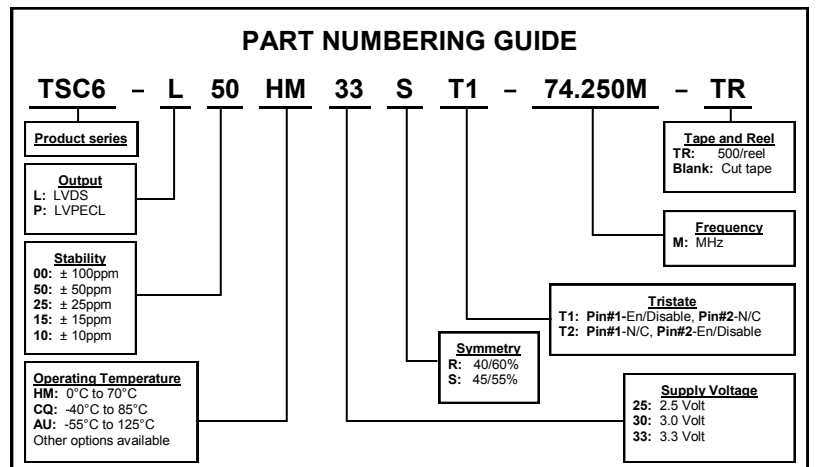
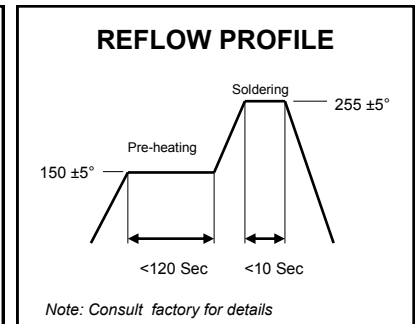
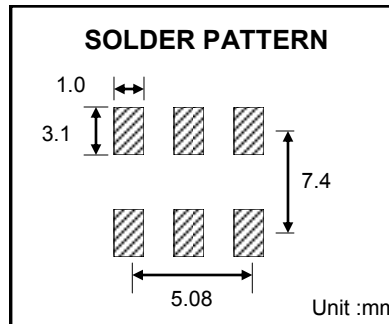
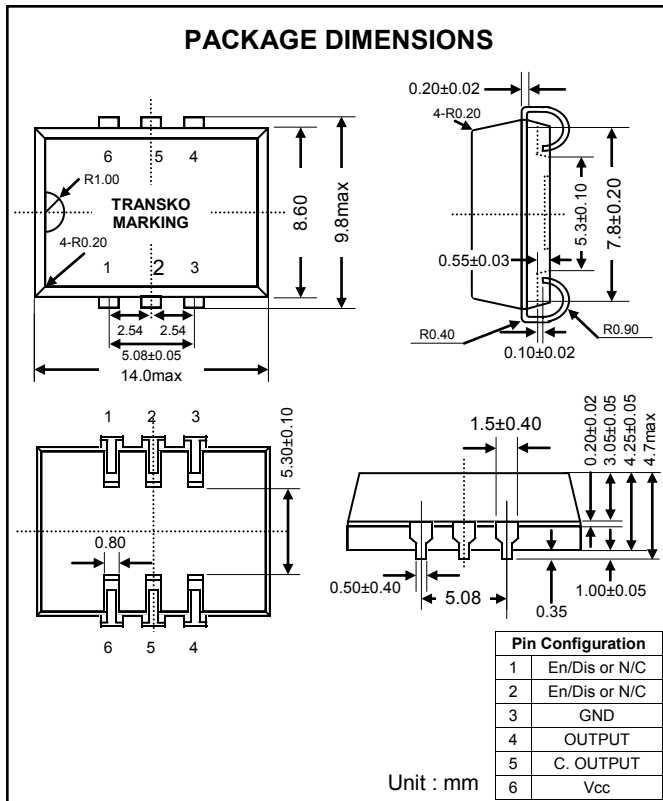
HIGH FREQUENCY PLASTIC SMD OSCILLATOR (14.0x9.8x4.7mm)

FEATURES

- HIGH FREQUENCY LVDS & LVPECL OSCILLATOR
- LOW VOLTAGE / LOW JITTER
- REFLOW CAPABLE

RoHS
Compliant

MODEL	TSC6	
SUPPLY VOLTAGE	2.5 Volt \pm 5%	3.3 Volt \pm 5%
FREQUENCY RANGE	1.000 MHz ~ 312.500 MHz	1.000 MHz ~ 800.000 MHz
TEMPERATURE STABILITY	\pm 25 ppm ~ \pm 100 ppm	
OPERATING TEMPERATURE	STD: 0°C ~ 70°C, CQ OPTION: -40°C ~ 85°C	
STORAGE TEMPERATURE	-55°C to 125°C	
INPUT CURRENT	Upto 160MHz: 80mA max (PECL) 60mA max (LVDS) 160 ~ 750MHz: 100mA max (PECL) 80mA max (LVDS)	
OUTPUT '0' LEVEL (Vol)	Vcc-1.63V max (PECL) / Vcc-2.175V max (LVDS)	
OUTPUT '1' LEVEL (Voh)	Vcc-1.02V min (PECL) / Vcc-1.925V min (LVDS)	
SYMMETRY	45/55% or 40/60% Vcc-1.3Vdc (PECL) / 1.25Vdc (LVDS)	
RISE & FALL TIME	0.6 nS typical, 1.0nS max.	
TRISTATE OPTION	ON: 2.8V min. / OFF: 0.6V max.	
OUTPUT LOAD	PECL: 50 Ω to Vcc-2VDC / LVDS: 50 Ω differential load	
PHASE JITTER (12KHz ~ 20MHz)	10.0MHz ~ 199MHz: 1.0pS RMS max., 200MHz ~ 800MHz: 3.0pS RMS max.	



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