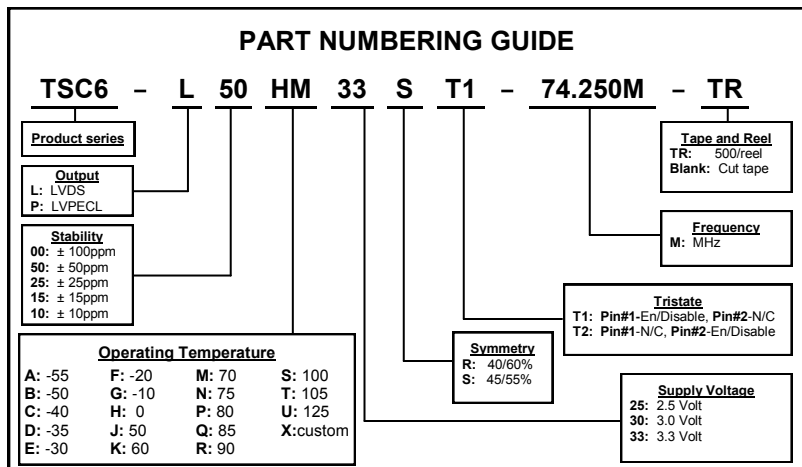
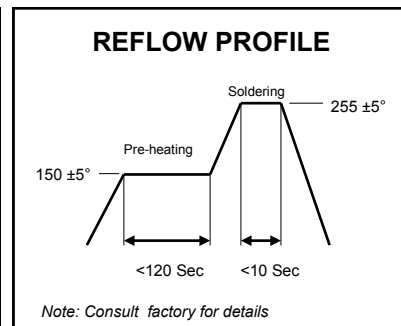
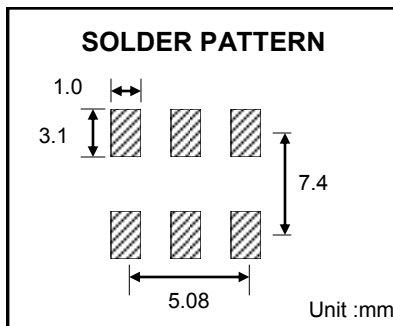
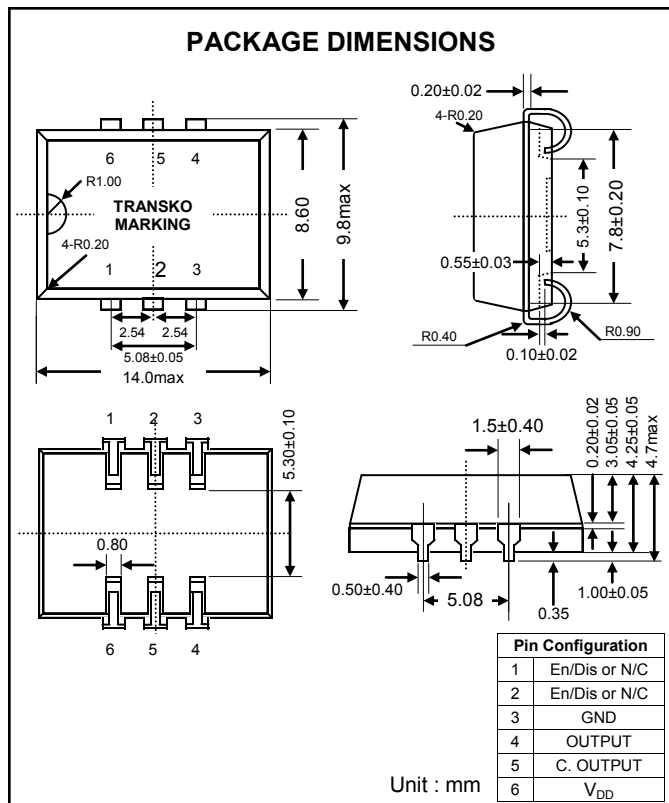


HIGH FREQUENCY PLASTIC SMD OSCILLATOR (14.0x9.8x4.7mm)

FEATURES

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

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	± 25 ppm ~ ± 100 ppm	
OPERATING TEMPERATURE	STD: 0°C ~ 70°C, OPTION: -40°C ~ 85°C	
STORAGE TEMPERATURE	-55°C to 125°C	
INPUT CURRENT	Upto 160MHz: LVPECL : 80mA max. LVDS : 60mA max. 160 ~ 750MHz: LVPECL : 100mA max. LVDS : 80mA max.	
OUTPUT LOGIC '0' LEVEL (Vol)	LVPECL : $V_{DD}-1.63V$ max. / LVDS : $V_{DD}-2.175V$ max.	
OUTPUT LOGIC '1' LEVEL (Voh)	LVPECL : $V_{DD}-1.02V$ min. / LVDS : $V_{DD}-1.925V$ min.	
SYMMETRY	45/55% or 40/60% LVPECL : $V_{DD}-1.3V_{DC}$ / LVDS : $1.25V_{DC}$	
RISE & FALL TIME	0.6 nS typical, 1.0nS max.	
TRISTATE OPTION	ON: 2.8V min. / OFF: 0.6V max.	
OUTPUT LOAD	LVPECL : 50 Ω to $V_{CC}-2V_{DC}$ / 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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