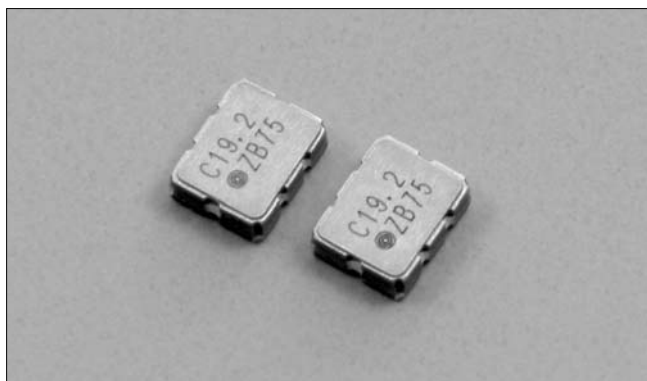


TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR (SMD • Ceramic Package)

SMD2520

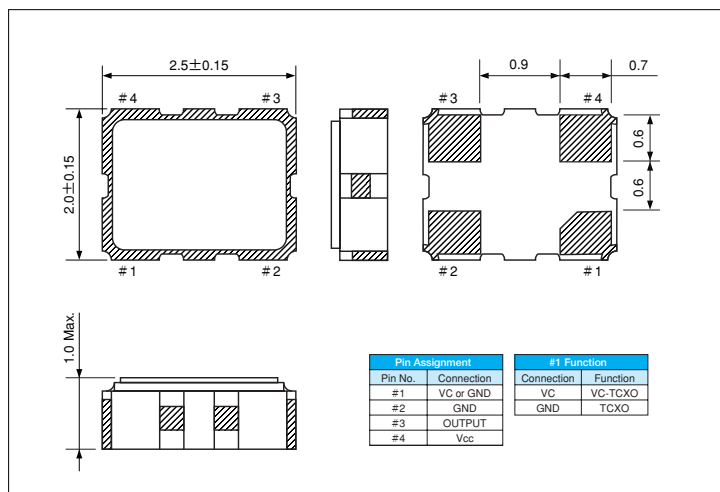
2000pcs/reel



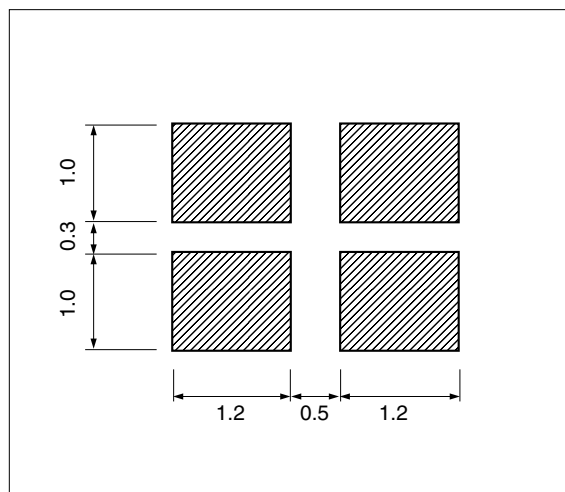
FEATURES

- High-density SMD type.
- Ultra-light weight and ultraminiature size.
- Automatic mounting and reflowable type.
- Low current consumption.
- Small phase noise.
- Available in 1.8V ultralow voltage drive.
- Most appropriate for Cellular phone and other equipment with telecommunication devices.

DIMENSION [mm]



SOLDER PAD LAYOUT [mm]



STANDARD SPECIFICATIONS

Item	Model	CSX-252T
Nominal Frequency	f_0	19.2MHz, 26.0MHz, 38.4MHz
Frequency Stability	$\Delta f/f_0$	$\pm 2.5\text{ppm} / (-30^\circ\text{C} \sim +75^\circ\text{C})$
Operating Temperature Range	T_{OPR}	$-30^\circ\text{C} \sim +75^\circ\text{C}$
Storage Temperature Range	T_{STR}	$-40^\circ\text{C} \sim +85^\circ\text{C}$
Supply Voltage	V_{dd}	1.8V ~ 3.0V $\pm 5\%$
Frequency adjustment range	Δf_{VC}	$\pm 4 \sim \pm 15\text{ppm} / \text{Center voltage } \pm 1.0\text{V}$
Supply current	I_{dd}	2.5mA Max.
Output Voltage	V_{OUT}	0.8Vp-p Min. (10k Ω /10pF)
Start-up time	T_{ST}	3.5 msec Max.
Aging (first year)	F_{A}	$\pm 1.0\text{ppm} / \text{year Max.}$