

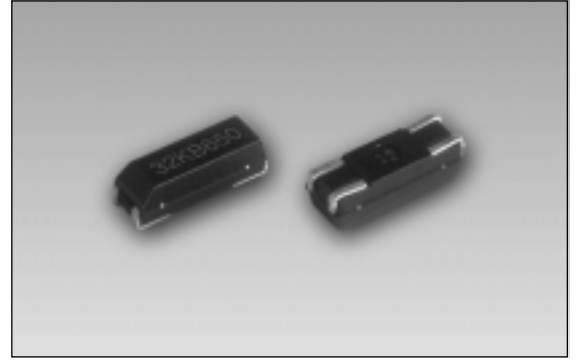
HE-T1-32 SURFACE MOUNT WATCH CRYSTAL



The HE-T1-32 is our low profile, surface mount watch crystal molded in the rugged thermoplastic housing, and capable of withstanding soldering re-flow processing. This crystal is offered in two different footprints to satisfy various pattern layout requirements, and is ideal for your SMD applications using the 32.768 KHz frequency.

FEATURES:

- Low profile
- Industry Standard footprint
- Long Term Stability
- Tape and reel packaging (2,000 PC per reel)



ELECTRICAL SPECIFICATIONS / PART NUMBERING GUIDE

PARAMETERS	CONDITION	MINIMUM	STANDARD	MAXIMUM	UNIT
FREQUENCY RANGE			32.768		KHz
FREQUENCY TOLERANCE	at 25°C	-20		+20	PPM
FREQUENCY STABILITY	Parabolic Coefficient	-0.027	-0.035	-0.043	PPM / °C
OPERATING TEMPERATURE		-40°C to +85°C			°C
TURNOVER TEMPERATURE		+25°C ± 5°C			°C
STORAGE TEMPERATURE		-55°C to +125°C			°C
LOAD CAPACITANCE (C _L)		6.0		12.5	pF
SHUNT CAPACITANCE (C ₀)			1.0		pF
MOTIONAL CAPACITANCE (C ₁)			2.0		fF
EQUIV. SERIES RESISTANCE				50	K Ω
INSULATION RESISTANCE		500			M Ω
DRIVE LEVEL				1.0	uW
AGING CHARACTERISTICS		±3 PPM MAX. @ 25°C PER YEAR			

HE-T1-32	A	-6PF
Package	Pad Layout	Capacitance Load (6pF or 12.5pF)

MECHANICAL DRAWING

