

# SURFACE MOUNT WATCH CRYSTAL

## FSM327

The FSM327 is an NC26 Watch Crystal encased in a thermoplastic package capable of withstanding 260°C soldering temperatures twice for 10 seconds. This rugged part is perfect for your SMD applications using the 32.768kHz frequency.

### FEATURES

- Small Size
- Long Term Stability
- Industry Standard
- Low Profile
- Tape and Reel (2,000 pcs. STD)
- Lowest Cost

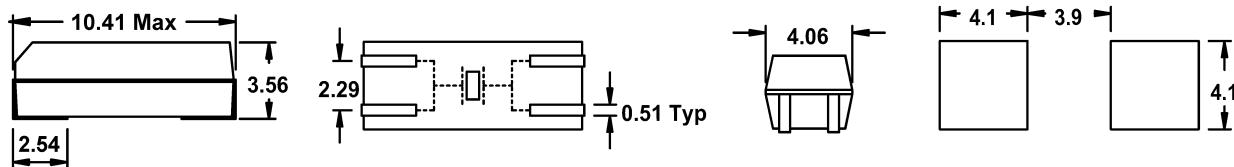


### • FSM327 STANDARD SPECIFICATIONS

PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency	32.768 kHz			
Frequency Tolerance	Ta = 25°C, CL = 12.5 pF	-20	+20	PPM
Frequency Stability	Temperature Coefficient		-0.04	PPM / (Δ°C) <sup>2</sup>
Temperature Range				
Turnover (To)		+20	+30	°C
Operating (TOPR)		-40	+85	
Storage (TSTG)		-55	+125	
Equivalent Series Resistance (ESR)			50	kΩ
Insulation Resistance	@ 100 VDC	500		MΩ
Drive Level			1.0	μW
Aging	Ta = 25°C; per year	-3.0	+3.0	PPM

All specifications subject to change without notice. Rev. 03/02/00

### Recommended Solder Pad Layout



All dimensions are in millimeters.  
See page 31 for tape and reel specifications.

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