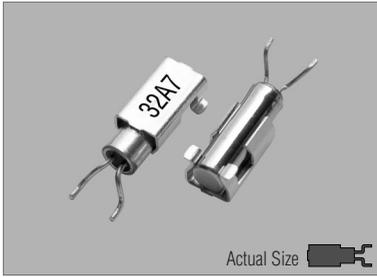


Quartz Crystal Units

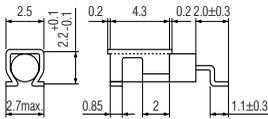
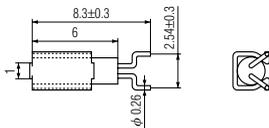
2x6(LF)MJN

STANDARD 32.768 kHz SMD CRYSTALS

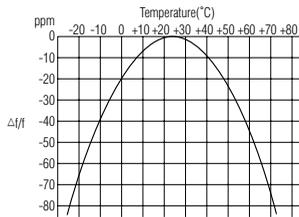
2x6(LF)MJN



2x6(LF)MJN

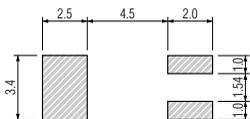


XY-CUT

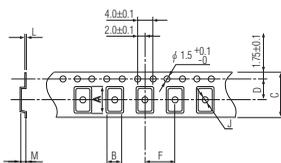


TYPICAL TEMPERATURE CHARACTERISTICS

SOLDERING PATTERN



TAPE SPECIFICATIONS



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
9.5	4.5±0.0	16.0	9.2	8.0	—	0.3	2.5	330	3000pcs

STANDARD SPECIFICATIONS

Item	Symbol	Specifications
Part number	P/N	26STF327(LF)MJN
Package type		2x6(LF)MJN
Nominal frequency	F	32.768 kHz
Frequency tolerance at +25°C	$\Delta f/F$	AA : ± 10 ppm A : ± 15 ppm B : ± 20 ppm C : ± 30 ppm standard D : ± 50 ppm
Load capacitance	CL	12.5 pF, Typical
Equivalent series resistance	ESR	50 k Ω max.
Drive level	P	1.0 μ W max.
Turnover temperature	Tt	+25°C ± 5 °C
Temperature coefficient	β	-0.034 ppm/°C ² , Typical
Quality factor	Q	50000 min
Shunt capacitance	Co	1.45 pF, Typical
Motional capacitance	C1	0.003 pF, Typical
Capacitance ratio	γ	480, Typical
Aging (for first year)	$\Delta f/F$	± 5 ppm max. at +25°C ± 3 °C
Insulation resistance	Ri	500M Ω min. at 100V DC ± 15 V
Cut		XY-Cut
Operating temperature range	To	-40°C to +85°C
Storage temperature range	Ts	-55°C to +125°C
Shock resistance	$\Delta f/F$	± 10 ppm max.
Vibration resistance	$\Delta f/F$	± 10 ppm max.
IR reflow resistance	$\Delta f/F$	± 10 ppm max.
Reflow condition		10 seconds max. at +250°C ± 10 °C

PACKAGE DATA

Item	Package	2x6(LF)MJN
Cover		Metal
Base		Glass
Sealing		Press-fit
Metal clamp		CuSn
Metal clamp plating		Gold
Terminal lead		Alloy (FeNiCo)
Terminal lead plating		Tin-90Pb
RoHS		Compliant