

L38,L26,145 SERIES

- FEATURES SMALL COMPACT SIZE
 PERFORMANCE AND ECONOMY
 EXCELLENT SHOCK AND ENVIRONMENTAL CHARACTERISTICS

● SPECIFICATIONS

HOLDER TYPE	L38	L26	L145	L38,L26
NOMINAL FREQUENCY	32.768KHz ±20 PPM	32.768KHz ±20 PPM	32.768KHz ±20 PPM	32.00KHz TO 153.6KHz ± 30 PPM†
TURNOVER TEMPERATURE	25 ±5	25 ±5	25 ±5	25 ±5
PARABOLIC CURVATURE CONSTANT (TYP)††	-0.034 PPM/D C ²	-0.034 PPM/D C ²	-0.034 PPM/D C ²	-0.034 PPM/D C ²
LOAD CAPACITANCE †††	12.5pF	12.5pF	8.0pF	12.5pF
EQUIVALENT SERIES RESISTANCE(MAX)	35 K OHM	35 K OHM	40 K OHM	30K TO 50K OHM
DRIVE LEVEL (TYP)	1.0uW	1.0uW	1.0uW	1.0uW
MOTIONAL CAPACITANCE (TYP)	0.0035 pF	0.003 pF	0.0025 pF	.001 TO .004 pF
SHUNT CAPACITANCE (TYP)	1.6 pF	1.35 pF	1.0 pF	0.8 TO 1.7 pF
CAPACITANCE RATIC (TYP)	460	450	400	425 TO 800
AGING (FIRST YEAR MAX)	±3 PPM	±3 PPM	±3 PPM	±5 PPM
QUALITY FACTOR (TYP)	70000	70000	80000	BASED ON FREQUENCY AND PACKAGE
INSULATION RESISTANCE (MIN)	500 M OHM	500 M OHM	500 M OHM	500 M OHM
OPERATING TEMPERATURE RANGE	-10 TO +60	-10 TO +60	-10 TO +60	-10 TO +60
STORAGE TEMPERATURE RANGE	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85
SHOCK RESISTANCE	±5 PPM MAXIMUM 75cm DROP TEST IN 3 AXES ONTO A HARD SURFACE OR 3000gx 0.3msx1/2 SINEWAVE IN 3 AXES			
PART NUMBERING SYSTEM	L38-32.768-12.5 KHz	L26-32.768-12.5 KHz	L145-32.768-8 KHz	L38-FREQUENCY-12.5 KHz L26-FREQUENCY-12.5 KHz

† COMMON FREQUENCIES: 31.500KHz, AND 76.800KHz

†† FREQUENCY DEVIATION AT T IS GIVEN AS: $Df/f=K(T_0 - T)^2$, WHERE K IS PARABOLIC CURVATURE CONSTANT

††† OTHER LOAD CAPACITANCES ARE AVAILABLE

● OUTLINE DRAWINGS

