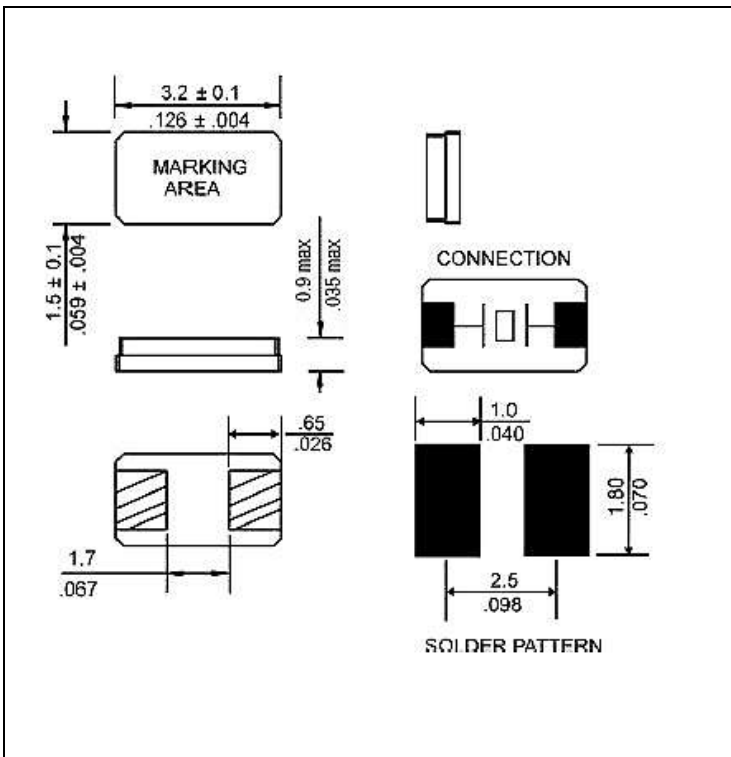


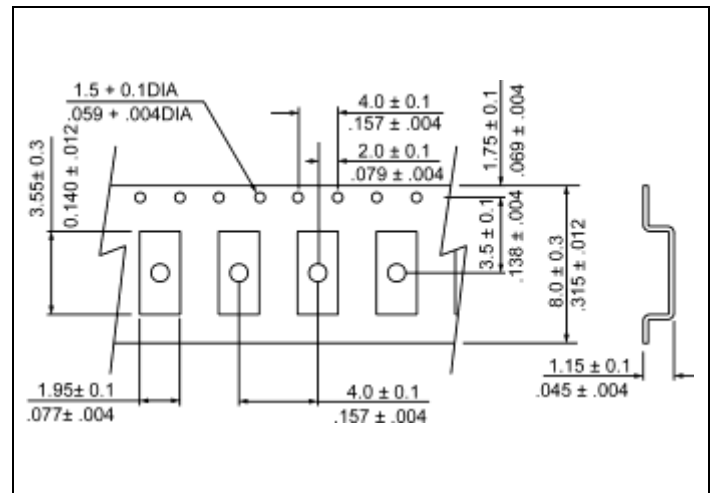
● SPECIFICATIONS

PARAMETER	VALUE
FREQUENCY RANGE	32.768 kHz
FREQUENCY TOLERANCE AT 25°C	±20 ppm max
TURNOVER TEMPERATURE	+25 ±5°C
TEMPERATURE COEFFICIENT	-0.04 x 10 ⁻⁶ / °C ² max
SHUNT CAPACITANCE	1.5 pF typ
LOAD CAPACITANCE	12.5 pF
EQUIVALENT SERIES RESISTANCE	70 kΩ
DRIVE LEVEL	0.5 μW max
AGING	±3 ppm first year max
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C
MOTIONAL CAPACITANCE	6.7 fF typ
INSULATION RESISTANCE	500 MΩ max

● MECHANICAL SPECIFICATION



● CARRIER TAPE DIMENSIONS

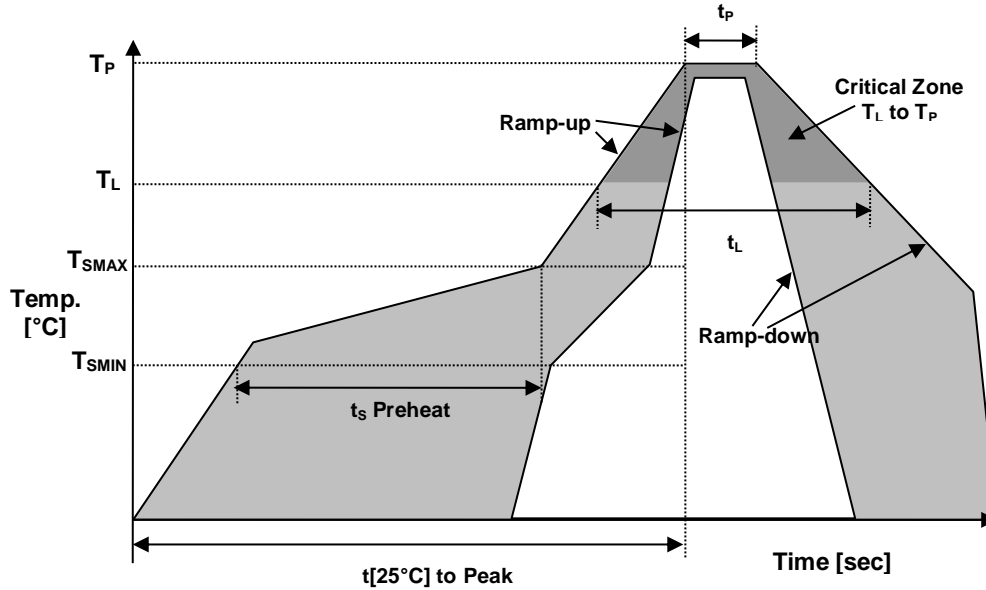


NOTE: REFER TO EIA-481 FOR DIMENSIONS

● PACKAGING

330 mm REEL DIAMETER
 8 mm TAPE WIDTH, 4 mm PITCH
 QUANTITY: 3000 PIECES PER REEL

● REFLOW PROFILE



Reflow profile		
Temperature Min Preheat	T_{SMIN}	125°C
Temperature Max Preheat	T_{SMAX}	150°C
Time (T_{SMIN} to T_{SMAX})	t_s	30-60 sec.
Temperature	T_L	217°C
Peak Temperature	T_P	260°C
Ramp-up rate	R_{UP}	3°C/sec max.
Ramp-down rate	R_{DOWN}	6°C/sec max.
Time within 5°C of Peak Temperature	t_p	10 sec.
Time $t[25^\circ\text{C}]$ to Peak Temperature	$t[25^\circ\text{C}]$ to Peak	480 sec.
Time	t_L	60-150 sec.

● ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS-2	COMPLIANT
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
TERMINATION FINISH	Au



- MARKING

T552A

- APPROVAL

Revision:	A Initial Release
Approval By:	FP
Date:	20 November 2013
	H, KJ Updated marking system