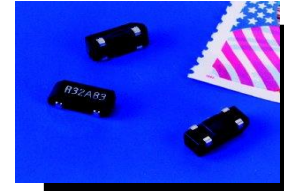
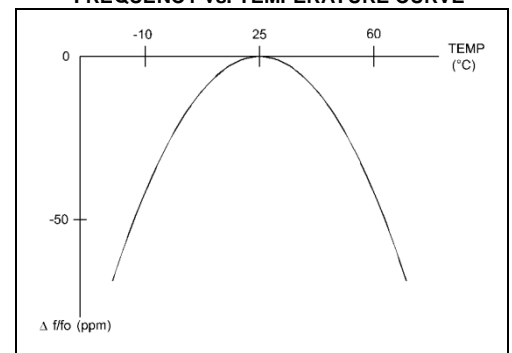


● SPECIFICATIONS

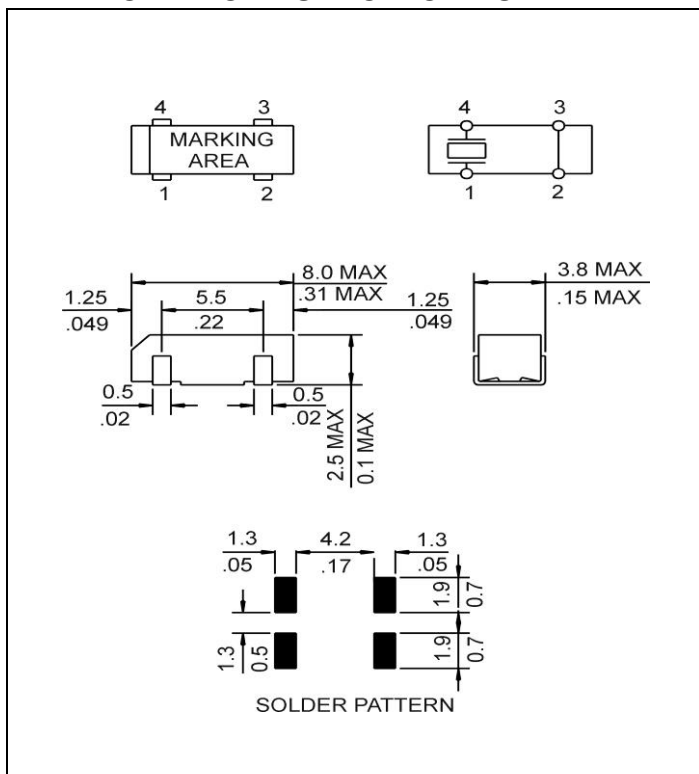
| PARAMETER | VALUE |
|------------------------------|-------------------------------------|
| NOMINAL FREQUENCY | 32.768 kHz |
| FREQUENCY TOLERANCE AT 25°C | ±15 ppm max |
| TURNOVER TEMPERATURE | +25°C ±5°C |
| PARABOLIC CURVATURE CONSTANT | (-0.034 ±0.006) ppm/°C ² |
| OPERATING TEMPERATURE RANGE | -40°C to +85°C |
| STORAGE TEMPERATURE RANGE | -55°C to +125°C |
| AGING | ±3 ppm first year max |
| LOAD CAPACITANCE | 6 pF |
| EQUIVALENT SERIES RESISTANCE | 50 kΩ max |
| SHUNT CAPACITANCE | 1.35 pF typ, 2 pF max |
| MOTIONAL CAPACITANCE | 3 fF typ |
| CAPACITANCE RATIO | 450 typ |
| DRIVE LEVEL | 1 μW max |
| INSULATION RESISTANCE | 500 MΩ min |
| REFLOW CONDITIONS | 260°C for 10 sec max |



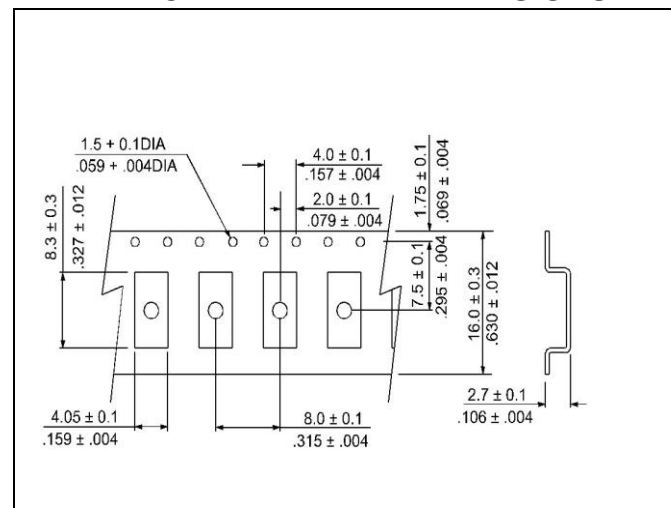
● FREQUENCY vs. TEMPERATURE CURVE



● MECHANICAL SPECIFICATION



● CARRIER TAPE DIMENSIONS



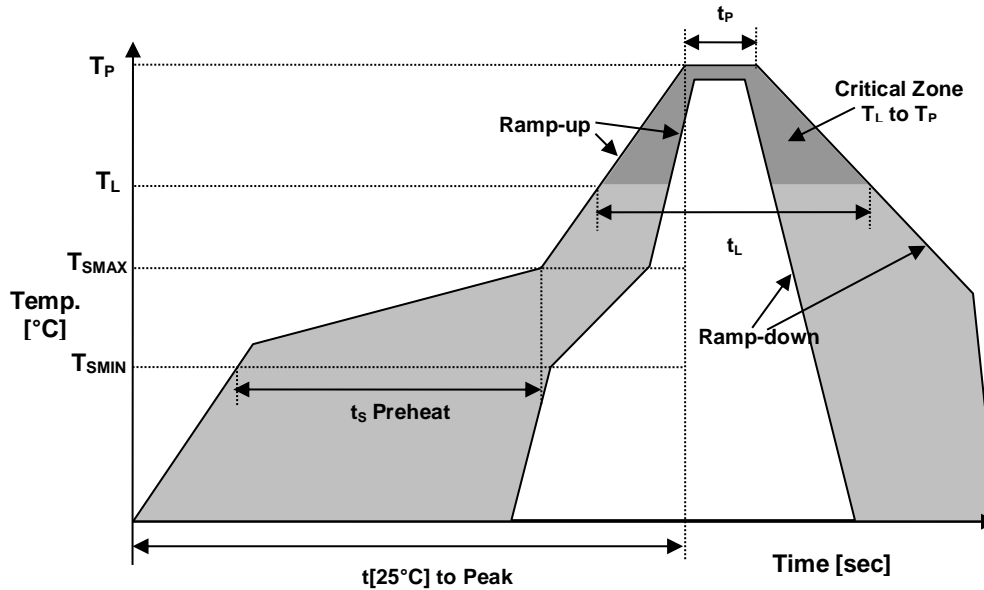
NOTE: REFER TO EIA-481 FOR DIMENSIONS

● PACKAGING

178 mm REEL DIAMETER
 16 mm TAPE WIDTH, 8 mm PITCH
 QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481

● REFLOW PROFILE



| Reflow profile | | |
|--|-------------------------------|------------|
| Temperature Min Preheat | T_{SMIN} | 150°C |
| Temperature Max Preheat | T_{SMAX} | 200°C |
| Time (T_{SMIN} to T_{SMAX}) | t_s | 60-180 s |
| Temperature | T_L | 217°C |
| Peak Temperature | T_P | 260°C |
| Ramp-up rate | R_{UP} | 3°C/s max. |
| Ramp-down rate | R_{DOWN} | 6°C/s max. |
| Time within 5°C of Peak Temperature | t_p | 10 s |
| Time $t[25^\circ\text{C}]$ to Peak Temperature | $t[25^\circ\text{C}]$ to Peak | 480 s |
| Time | t_L | 60-150 s |

● ENVIRONMENTAL

| PARAMETER | VALUE |
|----------------------------|-----------|
| MOISTURE SENSITIVITY LEVEL | 1 |
| RoHS | Compliant |
| REACH SVHC | Compliant |
| HALOGEN-FREE | Compliant |
| ESD CLASSIFICATION LEVEL | N/A |
| TERMINATION FINISH | Sn |



● MARKING

x36myR

x – Internal Production ID code

m – Month code

y – Year code

| MONTH CODE | |
|------------|------|
| MONTH | CODE |
| JANUARY | A |
| FEBRUARY | B |
| MARCH | C |
| APRIL | D |
| MAY | E |
| JUNE | F |
| JULY | G |
| AUGUST | H |
| SEPTEMBER | J |
| OCTOBER | K |
| NOVEMBER | L |
| DECEMBER | M |

| YEAR CODE | |
|-----------|------|
| Year | Code |
| 2015 | 5 |
| 2016 | 6 |
| 2017 | 7 |
| 2018 | 8 |
| 2019 | 9 |
| 2020 | 0 |
| 2021 | 1 |
| 2022 | 2 |
| 2023 | 3 |
| 2024 | 4 |
| 2025 | 5 |

● APPROVAL

| | |
|--------------|--------------------------|
| Drawn By: | XLiu, December 20, 2019 |
| Approved By: | Jlvns, December 20, 2019 |
| Revision: | A, Initial Release |

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