

R2016-32.000-8-F-1010-EXT-TR

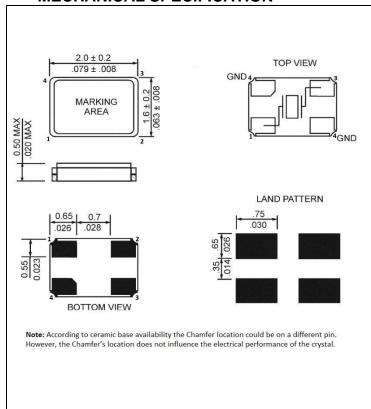
SPECIFICATIONS

| PARAMETER | | VALUE | |
|------------------------------|------------------|---------------------|--|
| NOMINAL FREQUENCY | | 32.000 MHz | |
| MODE OF OSCILLATION | | Fundamental | |
| FREQUENCY TOLERANCE AT 25°C | | ±10 ppm max | |
| FREQUENCY STABILITY | @ -30°C to +85°C | ±10 ppm max | |
| | @ -40°C to -30°C | ±15 ppm max | |
| OPERATING TEMPERATURE RANGE | | -40°C to +85°C | |
| STORAGE TEMPERATURE RANGE | | -40°C to +90°C | |
| AGING | | ±2 ppm per year max | |
| LOAD CAPACITANCE | | 8 pF | |
| EQUIVALENT SERIES RESISTANCE | | 100 Ω max | |
| SHUNT CAPACITANCE | | 3.5 pF max | |
| DRIVE LEVEL | | 100 μW max | |

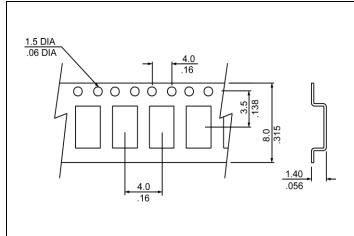


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

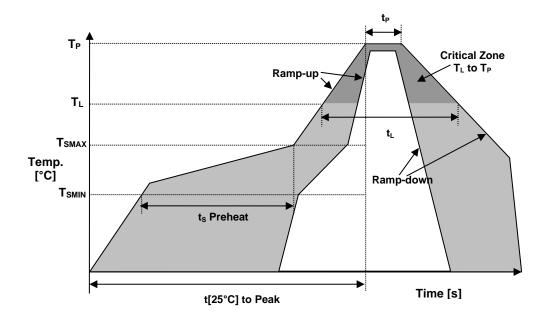
178 mm REEL DIAMETER 8 mm TAPE WIDTH, 4 mm PITCH QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481



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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 sec | |
| Temperature | TL | 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 sec | |
| Time t[25°C] to Peak Temperature | t[25°C] to Peak | 480 sec | |
| Time | t _L | 60-150 sec | |

ENVIRONMENTAL

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





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MARKING

R320 x8yw

x-1 or 2 digits as Internal Production ID code

y - Year code

w – Week code

| YEAR CODE | | |
|-----------|------|--|
| Year | Code | |
| 2018 | 8 | |
| 2019 | 9 | |
| 2020 | 0 | |
| 2021 | 1 | |
| 2022 | 2 | |
| 2023 | 3 | |
| 2024 | 4 | |
| 2025 | 5 | |
| 2026 | 6 | |
| 2027 | 7 | |
| 2028 | 8 | |
| 2029 | 9 | |

| ALPHA WEEK CODE TABLE | | | | | |
|-----------------------|------|------|------|------|------|
| Week | Code | Week | Code | Week | Code |
| 1 | a | 19 | s | 37 | K |
| 2 | b | 20 | t | 38 | L |
| 3 | c | 21 | u | 39 | M |
| 4 | d | 22 | v | 40 | N |
| 5 | e | 23 | w | 41 | О |
| 6 | f | 24 | x | 42 | P |
| 7 | g | 25 | у | 43 | Q |
| 8 | h | 26 | Z | 44 | R |
| 9 | i | 27 | Α | 45 | S |
| 10 | j | 28 | В | 46 | T |
| 11 | k | 29 | C | 47 | U |
| 12 | 1 | 30 | D | 48 | V |
| 13 | m | 31 | E | 49 | W |
| 14 | n | 32 | F | 50 | X |
| 15 | О | 33 | G | 51 | Y |
| 16 | р | 34 | Н | 52 | Z |
| 17 | q | 35 | I | | |
| 18 | r | 36 | J | | |

APPROVAL

| DRAWN BY: | KJackson, July 26, 2018 |
|--------------|---|
| APPROVED BY: | JIvens, July 26, 2018 |
| | A, Initial Release |
| REVISION: | B, Updated to current spec levels KJ 1/28/21 |
| | C, Updated to current spec levels AR 04/05/21 |

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