

# **TUNING FORK CRYSTAL**

Page 1 of

### R26-32.768-12.5-EXT-SMD-TR

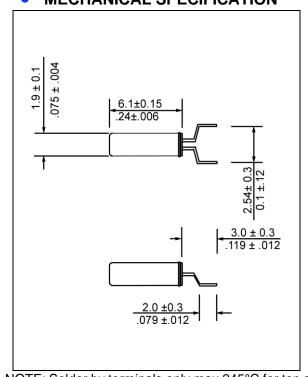
### SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	32.768 kHz
FREQUENCY TOLERANCE AT 25°C, Max	±20 PPM
TURNOVER TEMPERATURE	25°C ± 5°C
PARABOLIC CURVATURE CONSTANT	-0.034 PPM/Δ°C²
LOAD CAPACITANCE	12.5 pF
EQUIVALENT SERIES RESISTANCE, Max	35 kΩ
DRIVE LEVEL, Max	1.0 μW
SHUNT CAPACITANCE, typical	1.35 pF
AGING (FIRST YEAR)	±3 PPM FIRST YEAR MAX
QUALITY FACTOR	70000 TYPICAL
INSULATION RESISTANCE	500 MΩ MIN
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C

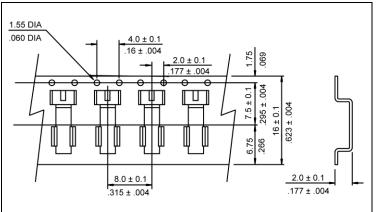


Photo is not actual part

# MECHANICAL SPECIFICATION



# CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

# PACKAGING

330 mm REEL DIAMETER 16 mm TAPE WIDTH, 8 mm PITCH QUANTITY: 2000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481

NOTE: Solder by terminals only max 245°C for ten seconds

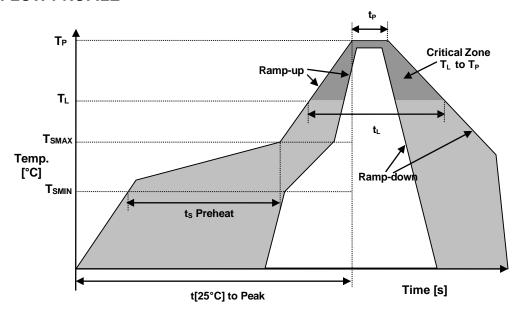


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Page 2 of

# R26-32.768-12.5-EXT-SMD-TR

# REFLOW PROFILE



	Reflow profile	
Temperature Min Preheat	T <sub>SMIN</sub>	150°C
Temperature Max Preheat	T <sub>SMAX</sub>	200°C
Time (T <sub>SMIN</sub> to T <sub>SMAX</sub> )	t <sub>S</sub>	60-180 sec.
Temperature	TL	217°C
Peak Temperature	T <sub>P</sub>	245°C
Ramp-up rate	R <sub>UP</sub>	3°C/s max.
Ramp-down rate	R <sub>DOWN</sub>	6°C/s max.
Time within 5°C of Peak Temperature	t <sub>P</sub>	10 s
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 s
Time	t <sub>L</sub>	60-150 s

# ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS-2	5/6 COMPLIANT, EXEMPTION 7a
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Sn





# **TUNING FORK CRYSTAL**

Page 3 of 3

# R26-32.768-12.5-EXT-SMD-TR

# MARKING

x3FmyR

x – Internal Production ID code

m-Month code

y – Year code

YEAR CODE		
Year	Code	
2011	1	
2012	2	
2013	3	
2014	4	
2015	5	
2016	6	
2017	7	
2018	8	
2019	9	

MONTH CODE		
MONTH	CODE	
JANUARY	А	
FEBRUARY	В	
MARCH	С	
APRIL	D	
MAY	Е	
JUNE	F	
JULY	G	
AUGUST	Ι	
SEPTEMBER	J	
OCTOBER	K	
NOVEMBER	L	
DECEMBER	М	

### APPROVAL

DRAWN BY:	KJackson, March 4, 2016
APPROVED BY:	KJackson, March 4, 2016
REVISION:	A, New Format Release

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