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# RH100-25.000-18-F-1015-TR-NS2

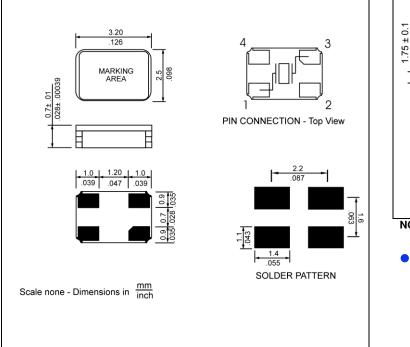
## • SPECIFICATIONS

PARAMETER	VALUE	
FREQUENCY RANGE	25.000 MHz	
MODE OF OSCILLATION	Fundamental	
FREQUENCY TOLERANCE AT 25°C	±10 ppm max	
FREQUENCY STABILITY OVER TEMPERATURE	±15 ppm max	
OPERATING TEMPERATURE RANGE	-20°C to +70°C Standard	
STORAGE TEMPERATURE RANGE	-40°C to +85°C	
AGING	±3 ppm per year max	
LOAD CAPACITANCE	18 pF	
EQUIVALENT SERIES RESISTANCE	30 Ω 🗢	
SHUNT CAPACITANCE	3 pF max ⇔	
DRIVE LEVEL	350 µW max            ⇔	

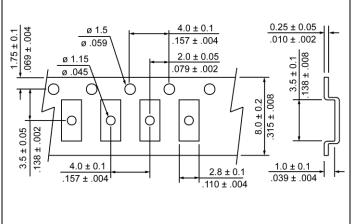


Photo is not actual part

# • 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

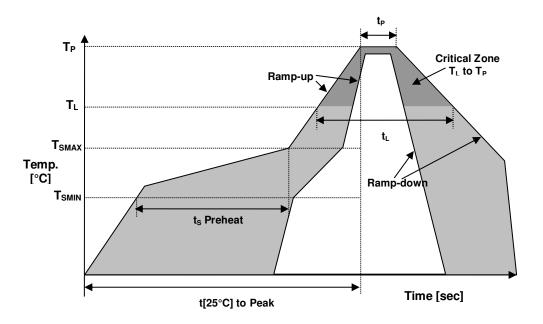


#### SURFACE MOUNT MICROPROCESSOR CRYSTAL

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## • REFLOW PROFILE



Reflow profile				
Temperature Min Preheat	T <sub>SMIN</sub>	125°C		
Temperature Max Preheat	T <sub>SMAX</sub>	150°C		
Time (T <sub>SMIN</sub> to T <sub>SMAX</sub> )	ts	30-60 sec.		
Temperature	TL	217°C		
Peak Temperature	T <sub>P</sub>	230°C		
Ramp-up rate	R <sub>UP</sub>	3°C/sec max.		
Ramp-down rate	R <sub>DOWN</sub>	6°C/sec max.		
Time within 5°C of Peak Temperature	t <sub>P</sub>	10 sec.		
Time t[25°C] to Peak Temperature	t[25°C] to Peak	120 sec.		
Time	tL	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





#### SURFACE MOUNT MICROPROCESSOR CRYSTAL

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### RH100-25.000-18-F-1015-TR-NS2

### MARKING

R25.00 xxBEyw

- x Internal Production ID code
- y Year code
- w-Week code

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

	ALPHA WEEK CODE TABLE				
Week	Code	Week	Code	Week	Code
1	а	19	s	37	K
2	b	20	t	38	L
3	с	21	u	39	М
4	d	22	v	40	Ν
5	e	23	w	41	О
6	f	24	х	42	Р
7	g	25	У	43	Q
8	h	26	Z	44	R
9	i	27	А	45	S
10	j	28	В	46	Т
11	k	29	С	47	U
12	1	30	D	48	V
13	m	31	Е	49	W
14	n	32	F	50	Х
15	0	33	G	51	Y
16	р	34	Н	52	Z
17	q	35	I		
18	r	36	J		

#### APPROVAL

DRAWN BY	KJackson, October 27, 2015
APPROVED BY	KJackson, October 27, 2015
REVISION	A, Initial Release

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