

AS-25.000-18-F-EXT-SMD-TR

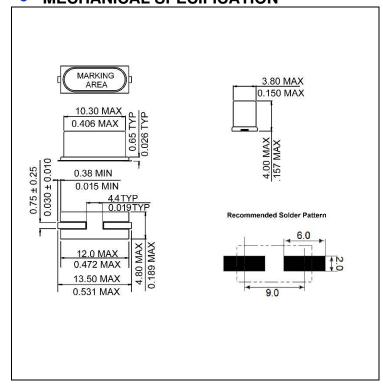
SPECIFICATIONS

PARAMETER	VALUE	
NOMINAL FREQUENCY	25.000 MHz	
MODE OF OSCILLATION	Fundamental	
FREQUENCY TOLERANCE AT 25°C	±30 ppm max	
FREQUENCY STABILITY OVER TEMPERATURE	±50 ppm max	
OPERATING TEMPERATURE RANGE	-40°C to +85°C	
STORAGE TEMPERATURE RANGE	-55°C to +125°C	
AGING	±5 ppm first year max	
LOAD CAPACITANCE	18 pF	
EQUIVALENT SERIES RESISTANCE	40 Ω max	
SHUNT CAPACITANCE 7 pF max		
DRIVE LEVEL	500 μ W max	
REFLOW CONDITIONS	260°C for 10s max	

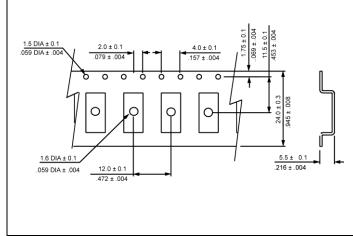


Photo is not actual par

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

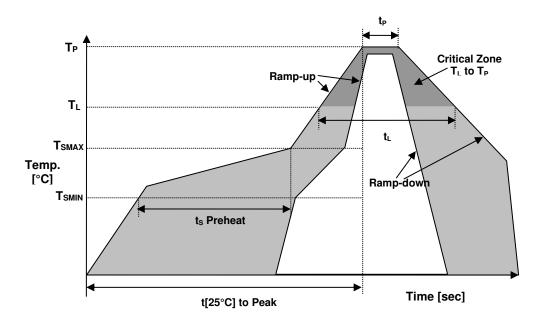
178 mm REEL DIAMETER
24 mm TAPE WIDTH, 4 mm PITCH
QUANTITY: 1000 PIECES PER REEL

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	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°C] to Peak Temperature	t[25°C] to Peak	480 sec.	
Time	t∟	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	Sn



Page 3 of 3

AS-25.000-18-F-EXT-SMD-TR

MARKING

R250xxByw

x – Internal Production ID code

y – Year code

w - Week code

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	

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	O
6	f	24	x	42	P
7	g	25	у	43	Q
8	h	26	z	44	R
9	i	27	A	45	S
10	j	28	В	46	T
11	k	29	С	47	U
12	1	30	D	48	V
13	m	31	Е	49	W
14	n	32	F	50	X
15	o	33	G	51	Y
16	р	34	Н	52	Z
17	q	35	I		
18	r	36	J		

APPROVAL

DRAWN BY:	XLiu, February 26, 2020
APPROVED BY:	JIvens, February 26, 2020
REVISION:	A, Initial Release
	B, Updated to current spec
	levels KJ 9/9/21

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