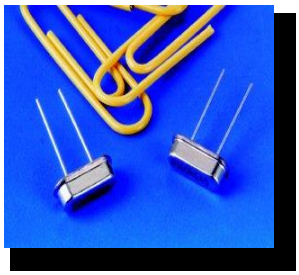
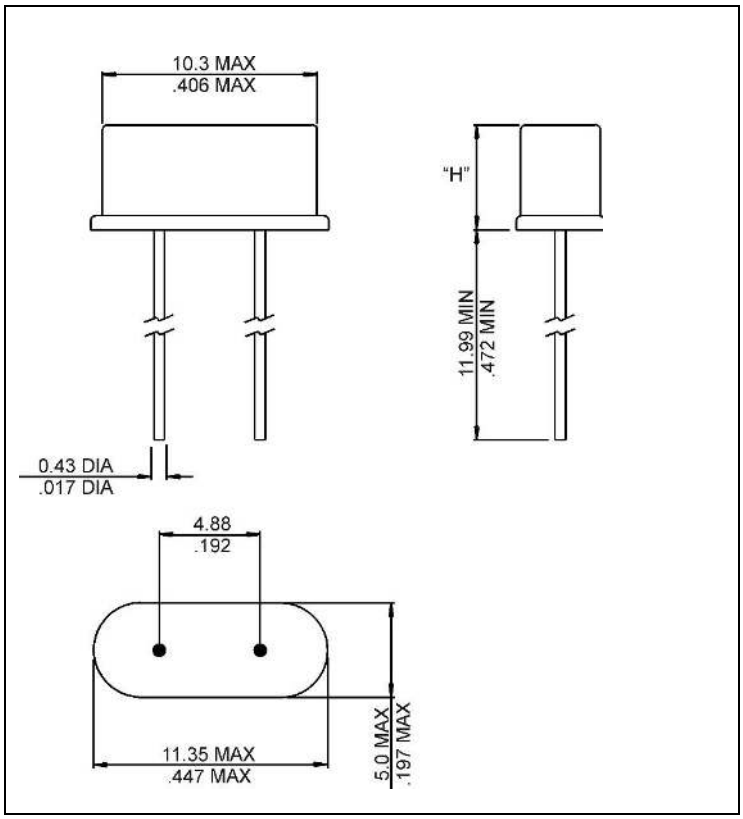
AS-25.000-18-F-TR

• 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	-20°C to +70°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C
AGING	±5 ppm per year max
LOAD CAPACITANCE	18 pF
EQUIVALENT SERIES RESISTANCE	30 Ω max
SHUNT CAPACITANCE	6 pF max
DRIVE LEVEL	100 µW typ, 500 µW max
REFLOW CONDITIONS	260°C for 10s max
INSULATION RESIATANCE	500 MΩ min @ DC 100V



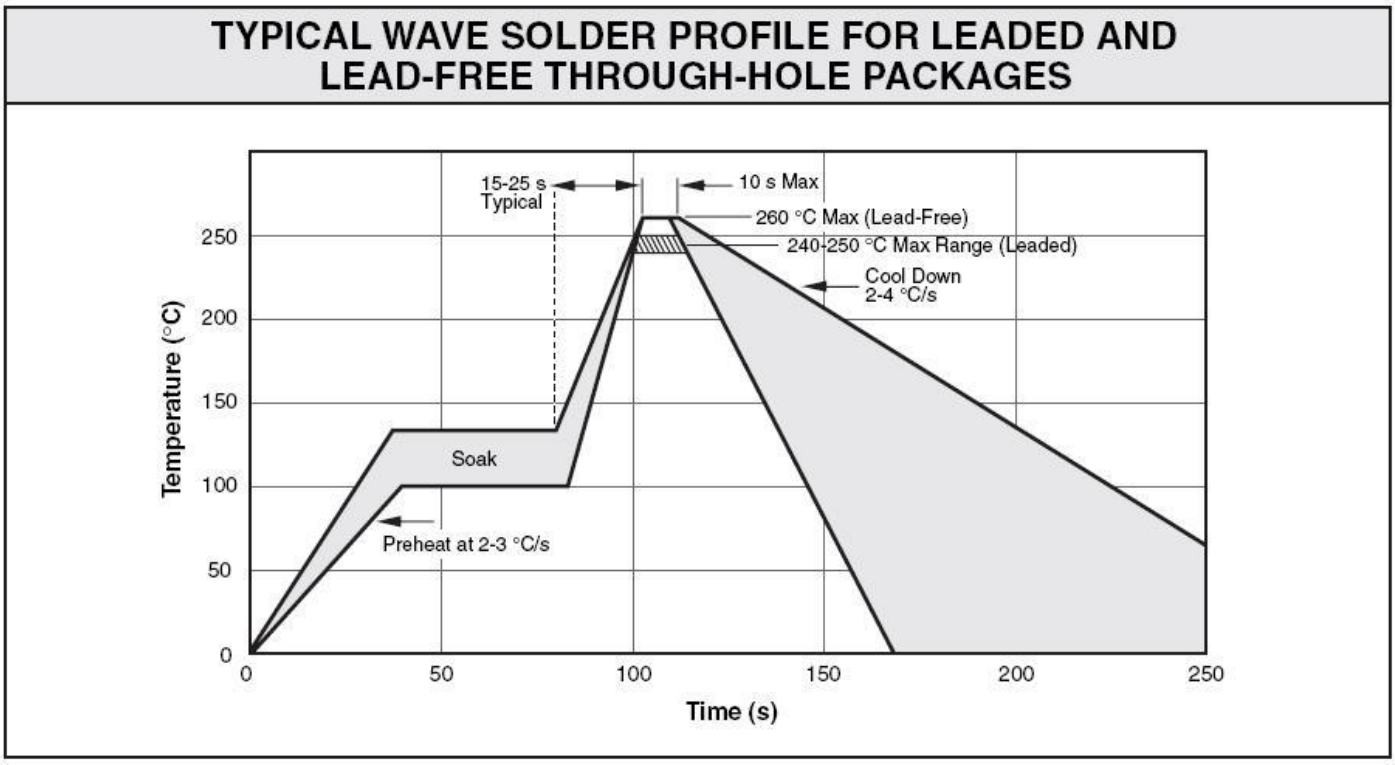
• MECHANICAL SPECIFICATION



H=3.5 mm

RoHS Compliant

WAVE SOLDER PROFILE



Wave Solder profile		
Profile Feature	**SnPb eutectic**	**Pb-Free**
Average ramp-up rate	~200°C/second	~200°C/second
Heating Rate during preheat	typical 1-2°/second max 4°/second	typical 1-2°/second max 4°/second
Final preheat temperature, T_S	~130°C	~130°C
Peak temperature, T_P	235°C	260°C
Time within +0°C / -5°C of actual temperature, t_P	10 seconds	10 seconds
Ramp-down rate	5°C/second max.	5°C/second max.

NOTE: This document should serve as recommendation only. Other parameters may also affect soldering, this profile does not guarantee absolute success. Soldering profile should be determined by the equipment manufacturer and customers' process engineer.

ENVIRONMENTAL

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

MARKING

R250xByw

x – 1 or 2 digits as 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	y	43	Q
8	h	26	z	44	R
9	i	27	A	45	S
10	j	28	B	46	T
11	k	29	C	47	U
12	l	30	D	48	V
13	m	31	E	49	W
14	n	32	F	50	X
15	o	33	G	51	Y
16	p	34	H	52	Z
17	q	35	I		
18	r	36	J		

APPROVAL

DRAWN BY:	A, Initial Release, August 23, 2012
APPROVED BY:	A, Initial Release, August 23, 2012
REVISION:	B, Updated to current spec levels by YLi, May 7, 2020