

ACT634SMX-2

The **ACT634SMX-2 family** is a low cost, 2 pad, high quality, low aging 6x3.5mm SMD Crystal in a ceramic base / metal lid package. The wide frequency range and specification options ensure suitability for many applications.

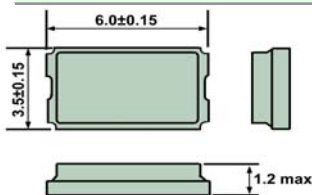
APPLICATIONS: Wireless, Audio-visual, ATM, Cordless Phones, Pagers, Micro clock, Notebook, Instrumentation, Office automation, Audio-visual, Process Control, Consumer & Communications.

Specification

Parameter	Symbol	Specification	Condition
Frequency Range	f ₀	10.0 ~ 48.0MHz	Please specify
Frequency Tolerance (@25°C)	Δf/f ₀	±30 & ±50ppm	Or specify
Stability over temp range	T _c	±50ppm -20~+70°C ±30ppm -10~+60°C	Standard (table 2) Or specify
Temp Operating Range	T _{opr}	0~+50°C ~ -40~+85°C	Please specify
Temp Storage Range	T _{stg}	-55 ~+125°C	
Equivalent Series Resistance	ESR	See table 1	
Load Capacitance	CL	9pF ~ 20pF & Series	Or specify
Shunt Capacitance	C ₀	5pF max	
Drive Level	DL	10 ~ 100 μW	(Custom to 200μW available - Enquire)
Drive Level Dependency	DLD	ESR min to max <1.3 FL min to max <1.3	0.01, 0.1, 1, 10, 50, 100μW steps
Insulation Resistance	IR	500MΩ min	@100V DC
Aging	Fa	±5ppm p/year (±3ppm available)	(First year max @ 25°C)

Table 1

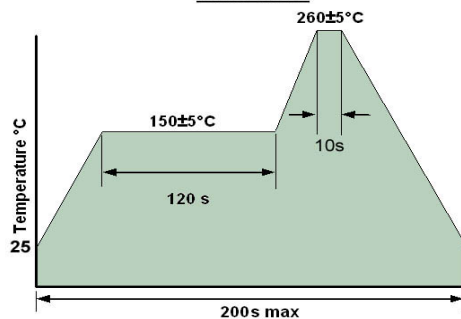
Freq. Range (MHz)	ESR (Ω) max	Mode / Cut
10.000 ~ 12.999	80	Fundamental / AT
13.000 ~ 13.999	50	Fundamental / BT
14.000 ~ 19.999	40	Fundamental / AT
>20MHz	30	Fundamental / AT
>20MHz	40	Fundamental / BT
24.000~34.999	100	3 RD Overtone / AT



Dimensions (mm)



Reflow Profile



Please note that all parameters can not necessarily be specified in the same device

Customer to specify : Frequency, Frequency Tolerance, Temperature Stability, Operating Temperature & Load Capacitance
 In line with our ongoing policy of product evolution and improvement, the above specification may subject to change without notice

ISO9001:2000 Registered

For quotations or further information please contact us at:

3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK

<http://www.actcrystals.com>

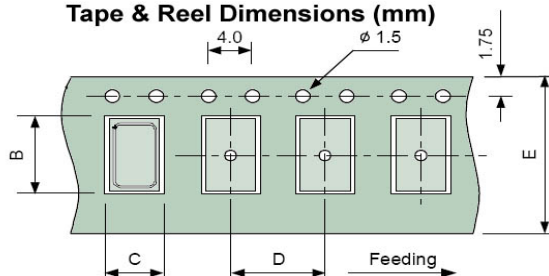


Table 2

Frequency Stability (ppm)			
Temperature	±20	±30	±50
-10~+60°C	✓	STD	✓
-10~+70°C	✓	✓	✓
-20~+70°C	✓	✓	STD

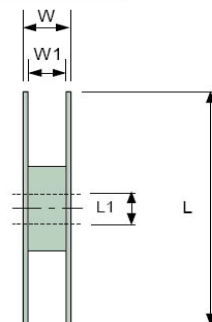
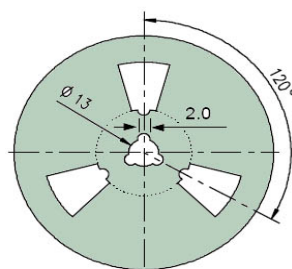
Pad Surface Material: Gold (Au)

Tape & Reel Dimensions (mm)

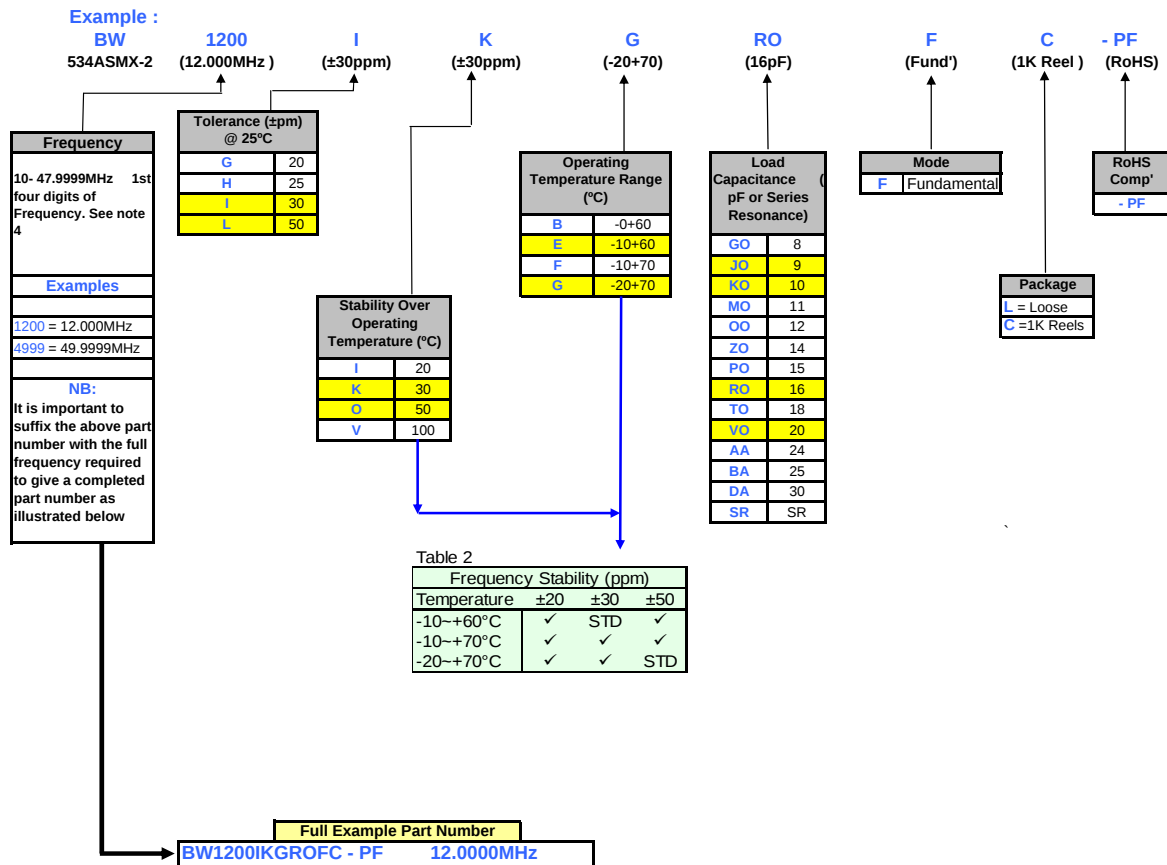


A	B	C	D	E	L	L1	W	W1
1.4	6.4	3.9	8.0	12	180	13	15.4	13

Standard reel quantity 1K pieces



SERIES : ACT534ASM-X-2 Part numbering code is BW



NOTES :

- 1) Tighter Tolerances and Stabilities and other Operating Temperature Ranges may be available.
- 2) ACT are always happy to consider truly custom specification parts which may require non-standard specification parameters, specific testing, customer requested AQL requirements, non standard packaging or taping and reeling and custom marking. Such devices
 (EG : A 12.00MHz custom ACT534ASM-X-2 device may have a part number such as BW1200C- C1122-PF)
- 3) A guide to availability of tighter stabilities appears on page one of this data sheet in Table 2
- 4) Frequencies below 10.000MHz are prefixed with a "0" (eg: 0900 = 9MHz. Whereas 10.000MHz is 1000)

ISO9001 Registered

For quotations or further information please contact us at:
 : Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, United Kin
<http://www.actcrystals.com>