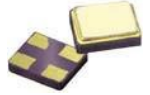# 1612H SMX-4 (RF Clock Series)
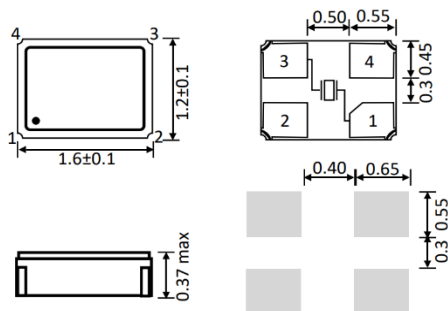
1.6 x 1.2mm Crystal unit

RoHS & REACH compliant
Small footprint crystal
Highly reliable seam seal 4 pad ceramic package
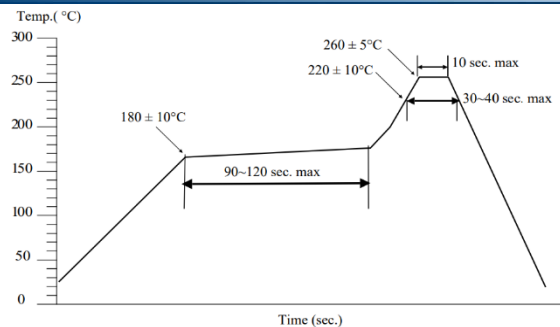Low aging crystal, specifically designed for RF applications, UAVs and Drones

Parameters			Specification	Remarks
Frequency range		F_nom	24.0MHz ~ 96.0MHz	
Frequency tolerance		F_tol	±10.0ppm	
Frequency stability over temperature range		F_stb	±10.0ppm	Over -30°C ~ +85°C
Frequency aging		F_age	±1.0ppm	At 25°C, 1st Year
Operable temperature range		T_opr	-40°C ~ +85°C	-40°C ~ +125°C option available. Please enquire.
Storage temperature		T_stg	-55°C ~ +125°C	
Load capacitance		CL	6.0pF ~ 16.0pF	
Equivalent series resistance	24.0 ~ 25.999MHz	ESR	100Ω Max.	
	26.0 ~ 39.999MHz		80Ω Max.	
	40.0 ~ 64.999MHz		60Ω Max.	
	65.0 ~ 74.999MHz		40Ω Max.	
	75.0 ~ 96.000MHz		30Ω Max.	
Shunt capacitance		C0	2.0pF Max.	
Drive level		DL	100μW Max.	50μW Typ.
Moisture sensitivity level		MSL	1 (unlimited)	
Electrostatic discharge		ESD	Not applicable	
Insulation resistance		IR	500MΩ min	At 100V DC

Dimensions (mm)

Reflow profile

Part number generation

CAZ	2700	-RF-	KO	M	E	F	1	L	-PF
ACT Series Code	Frequency (MHz)	RF series	Load capacitance (CL -pF)	Operable Temperature Range (°C)	Frequency Tolerance (±ppm)	Frequency stability over temperature -30°C~+85°C	1st year Aging (±ppm) at 25°C	Packaging (Tape & Reel)	RoHS
CAZ	27MHz = 2700 Note: Use the first 4 characters of the frequency in Hz i.e. 27MHz =27000000Hz Part code =2700 If the frequency is 100MHz or higher than the first 5 characters are used	-RF-	6 = BO 7 = DO 8 = GO 9 = JO 10 = KO 11 = MO 12 = OO 13 = YO 14 = ZO 15 = PO 16 = RO	-40 ~ +85 = M	±10 = E	±10 = F	±1 = 1	Loose = L 5000pcs = H	RoHS = -PF

Note: It is important to suffix the above part number with full frequency required to give a completed part number as illustrated below. Full Example Part Number : **CAZ2700-RF-KOMEF1L-PF [27.000MHz]** , **CAZ2457-RF-KOMEF1L-PF [24.576MHz]**