



Item		Symbol	Specifications		Remarks
Nominal frequency		f	32.768 kHz	32.000 kHz to 100.000 kHz	
Temperature range	Storage temperature	T _{STG}	-55 °C to +125 °C		Stored as bare product after unpacking
	Operating temperature	T _{OPR}	-40 °C to +85 °C		
Maximum drive level		GL	1.0 μW Max.		
Frequency tolerance (standard)		Δf/f	±20 x 10 ⁻⁶ , ±50 x 10 ⁻⁶	±50 x 10 ⁻⁶ , ±100 x 10 ⁻⁶	Ta=+25 °C, DL=0.1 μW
Peak temperature (frequency)		θT	+25 °C ±5 °C		
Temperature coefficient (frequency)		a	-0.04 x 10 ⁻⁶ / °C ² Max.		
Load capacitance		C _L	7 pF, 12.5 pF		Please specify
Series resistance		R ₁	55 kΩ Max.	50 kΩ to 20 kΩ	As per below table
Motional capacitance		C ₁	1.8 fF Typ.	3.0 fF Max.	
Shunt capacitance		C ₀	0.9 pF Typ.	1.5 pF Max.	
Insulation resistance		IR	500 MΩ Min.		
Aging		fa	±3 x 10 ⁻⁶ / year Max.	±5 x 10 ⁻⁶ / year Max.	Ta= +25 °C ±3 °C, first year
Shock resistance		S.R.	±5 x 10 ⁻⁶ Max.		Three drops on a hard board from 750 mm or excitation test with 29400 m/s ² x 0.3 ms x 1/2 sine wave x 3 directions

- High-density mounting-type SMD of Max. 2.0 mm thickness.
- High heat resistance allows reflow soldering.
- Excellent environmental capability.

SMD Quarz Crystal
7,3x2,6mm

Part No.: **O12016**

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	18.09.2026
APPD:	YQ	HHQ		FINISH	XM		Sheet No.		1 from 4

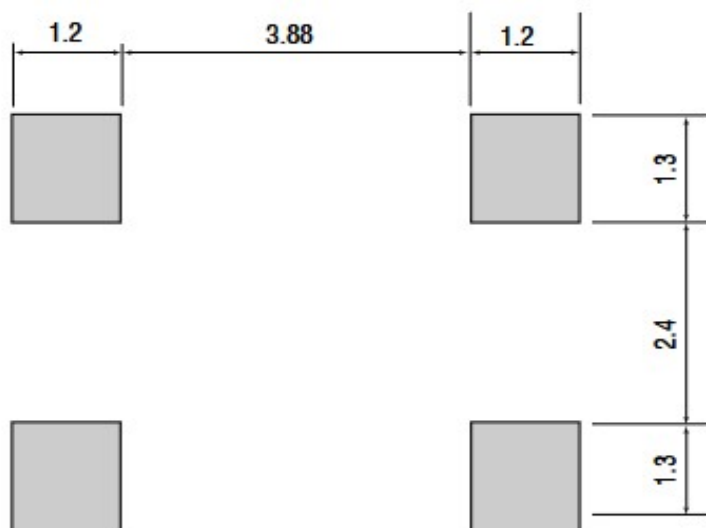
Customer:

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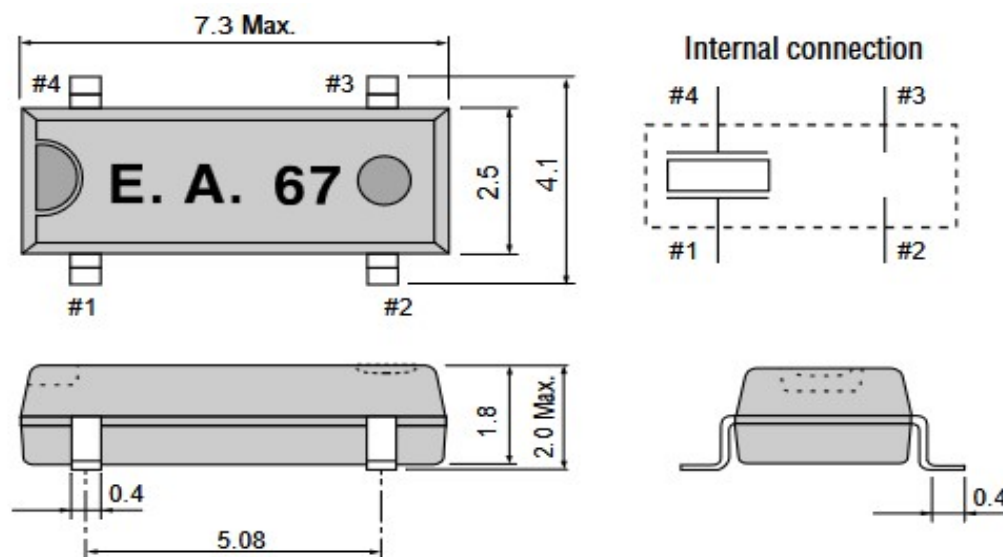
email: info@edcon-components.com



P.C.B Layout



Drawing



Do not connect #2 and #3 to external device.

Metal may be exposed on the top or bottom of this product. This won't affect any quality, reliability or electrical spec.

Frequency (kHz)	$32 \leq f < 38$	$38 \leq f < 65.536$	$65.536 \leq f < 75$	$75 \leq f \leq 100$
Series resistance (Ω)	50 k Ω Max.	40 k Ω Max.	25 k Ω Max.	20 k Ω Max.

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Ordering Informations

Serie	Frequency	Frequency Tolerance (ppm)	No Specification	No Specification	Operating Temperature	Load Capacity	Rohs Conform	Packing		
O12016	-	32K768	D	N	N	3	C	R	TR	

32K768 (max 6 Letters)					A= 7pf	R= Rohs Conform	BU= Bulk Ware
					C= 12,5pf		
						N= NON Rohs Conform	TR= Tape Reel
	D= 20ppm			3= -40°C ~ +85°C			
	E= 10ppm						

**SMD Quarz Crystal
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Part No.: **O12016**

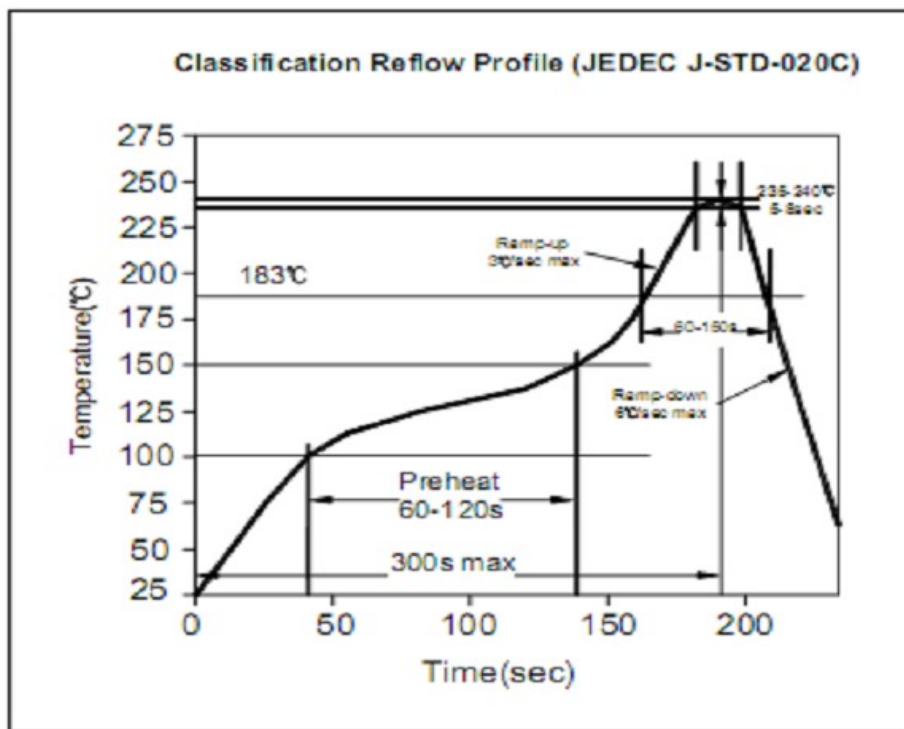
DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	18.09.2026
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Customer:

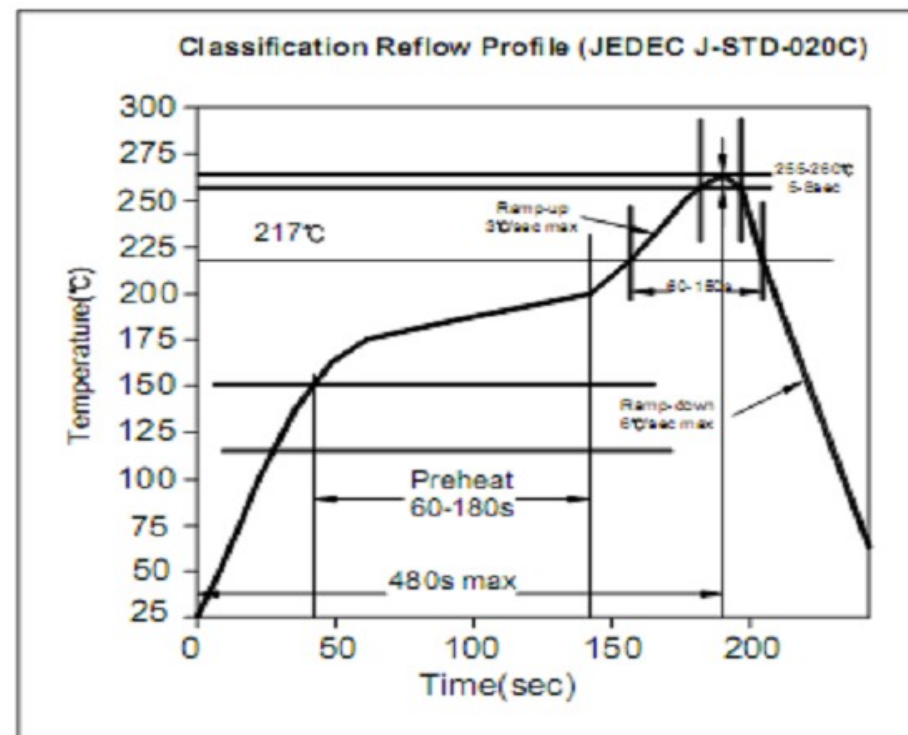


Soldering Conditions

Lead Soldering Conditions



Lead Free Soldering Conditions



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