

# EDCON-COMPONENTS



## Features

- Frequency Range 3,579MHz ~ 50,0MHz
- THT Soldering
- High shock Tolerance
- Small size
- Reliable frequency stability

## Applications

- For a clock source in digital equipments
- Microprozessor systems
- Consumer Electronics
- Instrumentation
- Automotive electronics

## Specifications

Frequency Range:		3,579MHz ~ 50MHz	
Load capacitance		12pf, 16pf, 18pf, 20pf	
Drive Level		10 ~ 100µW Max.	
Frequency Tolerance		.+/-20ppm	at 25°C Need to specify
Series Resistance:		Look table	at 25°C Depend on frequency
Turnover Temperature:		25 +/-5°C	
Temperature Coeffizient:		( -0,034 +/-0,006) ppm/°C	
Operating Temperature		look order Code	
Storage Temperature Range		. -55°C ~ +125°C	
Shunt Capacitance:		2,0pf Typ.	
Aging ( First Year)		.+/- 3ppm Max.	at 25°C +/-3°C
Quality Factor		50000 Typ.	
Insulation resistance		500MΩ Min.	DC100V +/-15V (Pin to Pin, Pin to Case)

Frequency Range	E.S.R (Ω)	Mode
3,579MHz ~ 3,999Mhz	180 max.	Fundamental / AT
4,000Mhz ~ 4,499Mhz	150 max.	Fundamental / AT
4,500MHz ~ 4,999MHz	120 max.	Fundamental / AT
5,000MHz ~ 6,999MHz	100 max.	Fundamental / AT

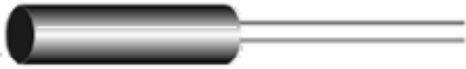
Frequency Range	E.S.R (Ω)	Mode
7,000MHz ~ 9,999MHz	80 max.	Fundamental / AT
10,000MHz ~ 11,999MHz	60 max.	Fundamental / AT
12,000MHz ~ 29,999MHz	40 max.	Fundamental / AT
30,000MHz ~ 50,000MHz	80 max.	3rd Overtone / AT

**Cylindrical Quarz Crystal  
3x8mm**

Part No.: **O11006**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	03.07.2018	Customer:
APPD:	Victor			FINISH	Oliver		Sheet No.		1 from 4	

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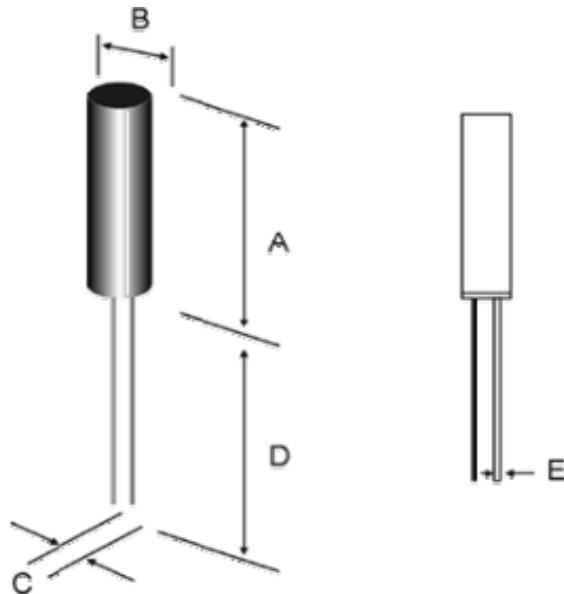


## Technical Dimensions Dimensions (mm)

## Frequency Stability us Operating Temperature Range

3x8mm	A	B	C	D	E
	8,3	3,1	1,1	10,0	0,3

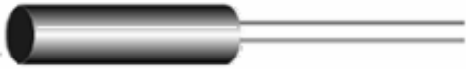
Temperature Range	Frequency Stability					
	./-10ppm	./-15ppm	./-20ppm	./-25ppm	./-30ppm	./-50ppm
.-10°C ~ +60°C	√	√	√	√	√	√
.-20°C ~ +70°C			√	√	√	√
.-40°C ~ +85°C						√



<b>Cylindrical Quarz Crystal 3x8mm</b>	
Part No.:	<b>O11006</b>
Customer:	

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## Ordering Informations

Serie	Frequency Range	Frequency Tolerance	Load Capacity	Temperature Range	ROHS	Packing			
<b>O11006</b>	-	<b>32K7680000</b>	<b>C</b>	<b>N</b>	<b>A</b>	<b>R</b>	<b>BU101</b>		

10 Letters (empty fill w. 0)	<b>C= +/-20ppm</b>	<b>A= 7,0pf</b>	<b>A= -0°C ~ +50°C</b>	<b>R= ROHS Conform</b>	<b>BU101= Bulk Ware 100PCS</b>
	<b>D= +/-10ppm</b>	<b>B= 12,5pf</b>	<b>B= -10°C ~ +60°C</b>		
		<b>C~X= other pf</b>	<b>D= -20°C ~ +70°C</b>		
			<b>E= -30°C ~ +85°C</b>		
			<b>F= -40°C ~ +85°C</b>		

<b>Cylindrical Quarz Crystal 3x8mm</b>	
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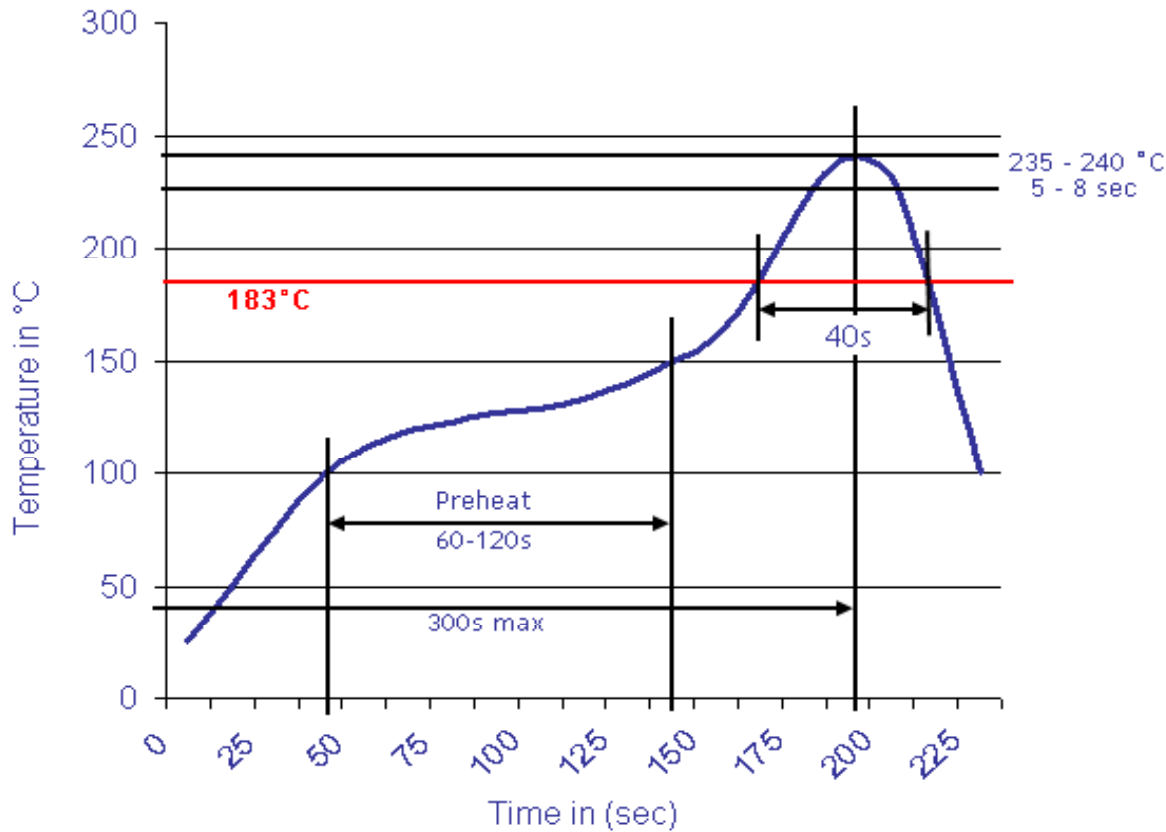
[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)



**Soldering Profile**

**Classification Reflow Profile (JEDEC J-STD-020C)**



<b>Cylindrical Quartz Crystal 3x8mm</b>	
Part No.:	<b>O11006</b>
Customer:	

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