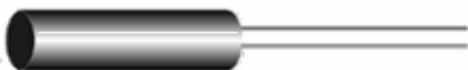


EDCON-COMPONENTS



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 Quartz Crystal
3x10mm**

Part No.: **O11009**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	10.07.2009	Customer:
APPD:	Victor			FINISH	Oliver		Sheet No.		1 from 4	

EDCON-COMPONENTS

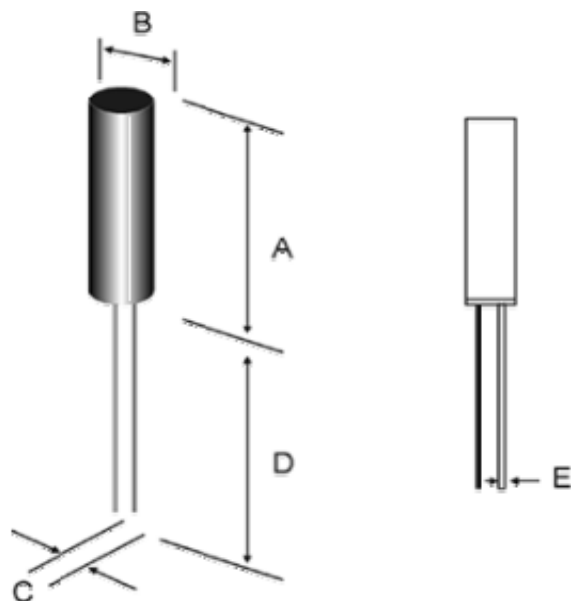


Technical Dimensions Dimensions (mm)

Frequency Stability us Operating Temperature Range

3x10mm	A	B	C	D	E
	10,1	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						√



**Cylindrical Quartz Crystal
3x10mm**

Part No.: **O11009**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	10.07.2009
APPD:	Victor			FINISH	Oliver		Sheet No.	2 from 4	Customer:

EDCON-COMPONENTS



Ordering Informations

Serie	Frequency Range	Frequency Tolerance	Load Capacity	Temperature Range	Frequency Stability	ROHS	Packing		
O11009	3M57900000	B	C	B	A	R	BU101		

10 Letters (empty fill w. 0)	B= +/-30ppm	C= 12pf	B= -10°C ~ +60°C	A= +/-50ppm	R= ROHS Conform	BU101= Bulk Ware 100PCS
	C= +/-20ppm	D= 16pf	D= -20°C ~ +70°C	B= +/-30ppm		
	D= +/-10ppm	E= 18pf	F= -40°C ~ +85°C	C= +/-25ppm		
		G= 20pf		D= +/-20ppm		
				E= +/-15ppm		
			F= +/-10ppm			

**Cylindrical Quarz Crystal
3x10mm**

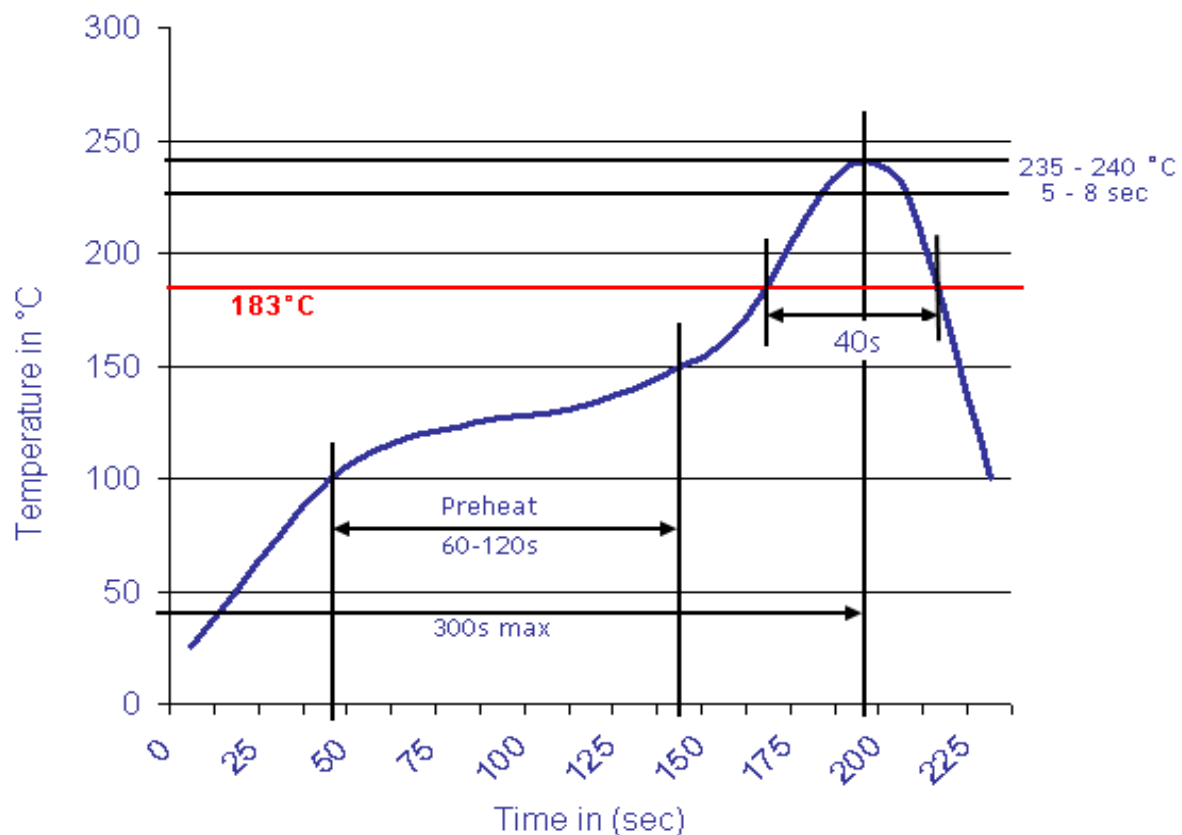
Part No.: **O11009**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	10.07.2009	Customer:
APPD:	Victor			FINISH	Oliver		Sheet No.	3 from 4		



Soldering Profile

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



**Cylindrical Quartz Crystal
3x10mm**

Part No.: **O11009**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	10.07.2009
APPD:	Victor			FINISH	Oliver		Sheet No.	4 from 4	Customer: