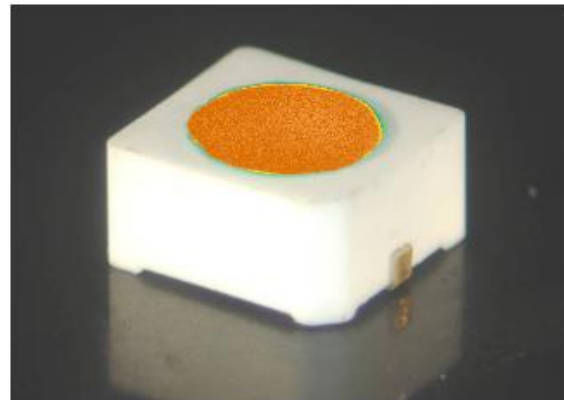


# Hermetic Ceramic Trimmer Capacitors AT 23XXG Series

## SURFACE MOUNT TRIMMER CAPACITORS, ROHS COMPLIANT

### DESCRIPTION

Ceramic dielectric  
 Very compact package type (alumina housing)  
 Withstand harsh environments  
 Resistant to penetration of solder fluxes and cleaning solvents  
 Rated voltage 250 VDC  
 Low capacitance drift, very stable over time  
 Terminations are **gold plated**  
**RoHS compliant**  
 High resonance frequency and very good Q  
**Non magnetic component**  
 Delivered on 12 mm tape and reel  
**Max Soldering Temperature 260°C, 10s Max**



### APPLICATIONS

RF power amplifier, LC filters  
 Military and Avionics equipment  
 Medical devices  
 DR/Crystal Oscillators  
 Broadband wireless LAN  
 Telemetry  
 Medical devices

### I. ELECTRICAL SPECIFICATIONS

P/N	AT 2320G-0 ROHS	AT 2320G-1 ROHS	AT 2320G-2 ROHS	AT 2320G-3 ROHS	AT 2340G-4 ROHS
From below	0.6	1.0	2.5	7.5	8.5
Capacitance range (pF)					
To above	2.5	5.0	10.0	18.0	22.0
Working Voltage (VDC)	250				
Withstanding Voltage (VDC)	500				
Working Temp. range	-55°C to +125°C				
Temp. Coeff. (ppm/°C)	100+/-200	100+/-200	100+/-200	-450+/-300	-1100+/-300
Setting drift	< 1%				
Typical Q @ 100 MHz, CMax	>3000	>1000	>1000	>500	>300
Insulation Resistance (MΩ)	10000 min				

### II. MECHANICAL & GENERAL SPECIFICATIONS

TEMEX – CERAMICS, PARC INDUSTRIEL BERSOL 1, VOIE ROMAINE, 33600 PESSAC, France  
 TEL +33(0)5 56 46 66 66 FAX +33(0)5 56 36 31 98 [www.temex-ceramics.com](http://www.temex-ceramics.com)

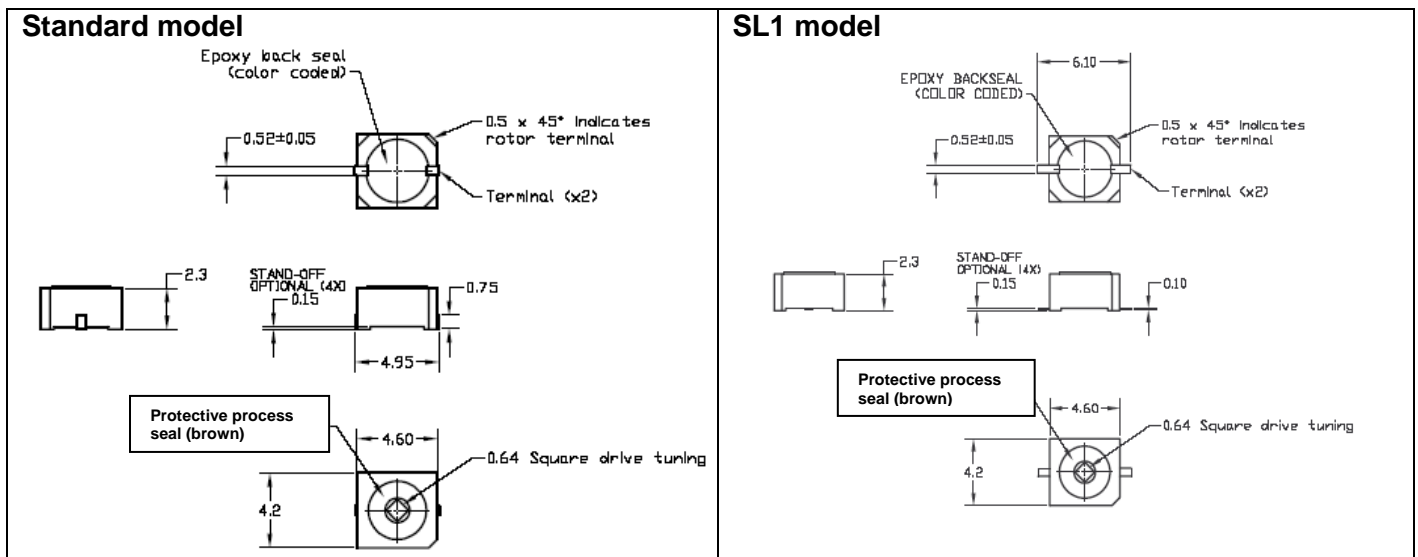
# Hermetic Ceramic Trimmer Capacitors AT 23XXG Series

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P/N	AT 2320G-0 ROHS	AT 2320G-1 ROHS	AT 2320G-2 ROHS	AT 2320G-3 ROHS	AT 2340G-4 ROHS
Color code	Red	Blue	Black	Clear	Green
Rotating torque	4 to 70 cN.cm				
Shock	100g @ 6 ms				
Vibration	15g @ 10-2000 Hz				
Moisture resistance	MIL-STD-202, Method 106				

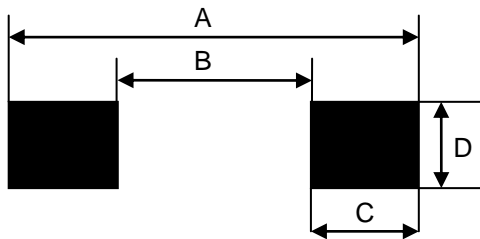
Color of epoxy back seal, on bottom side, is the color code

### III. OUTLINE DIMENSIONS



### IV. SOLDERING

#### Typical solder pad layout



Dim in mm	Standard model	SL model
A	5.6	6.8
B	2.8	2.8
C	1.4	2.0
D	1.0	1.0

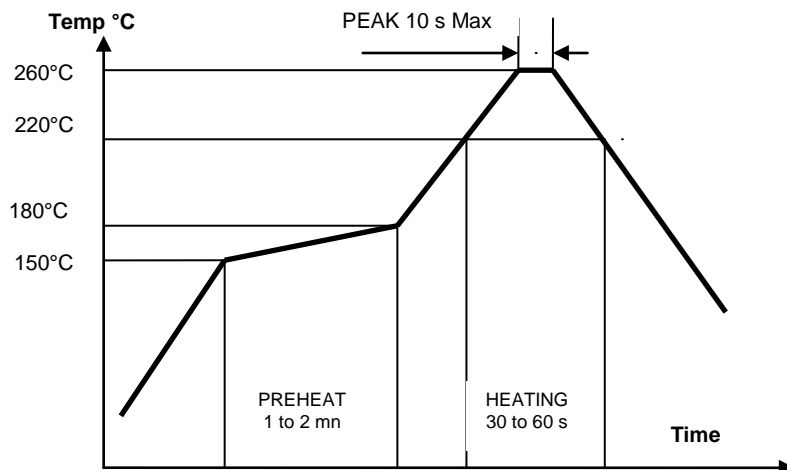
#### Recommended reflow solder temperature profile

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# Hermetic Ceramic Trimmer Capacitors AT 23XXG Series

## SURFACE MOUNT TRIMMER CAPACITORS, ROHS COMPLIANT

Maximum Soldering Temperature 260°C MAX



### V. PACKAGING

Parts delivered :

- in bulk for quantity lower than 500 p
- on tape and reel in 12 mm width carrier tape in quantities of 500 p on 7 inches reel

### VI. HOW TO ORDER

Parts in quantity < 500 p

**Reference** **RoHS**

Example

**AT 2320G-1** **RoHS**

Parts on tape and reel :

**Reference** **R1** **ROHS**

Examples

**AT 2320G-2** **R1** **ROHS**  
**AT 2320G-1** **SL** **R1** **ROHS**

### VII. TUNING TOOL

Tuning Tool reference: AT 4192-1

### VIII. STORAGE INSTRUCTIONS

Hermetic Ceramic Trimmer Capacitors are packed with a 1/6 unit of dessicant and must remain in their original packing as long as possible before soldering. Care should be taken to make sure the re-sealable outer bag is completely sealed after each use.

All Hermetic Ceramic Trimmer Capacitors should be stored in a temperature and humidity

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# Hermetic Ceramic Trimmer Capacitors AT 23XXG Series

## SURFACE MOUNT TRIMMER CAPACITORS, ROHS COMPLIANT

controlled environment.

If Hermetic Ceramic Trimmer Capacitors need to be re-packed then they must be packed in a re-sealable poly/metal anti-static bag with a fresh 1/6 unit of dessicant.

If Hermetic Ceramic Trimmer Capacitors have been inadvertently left exposed to ambient humidity, then dry the units per the following procedure:

For units that are **not** in tape & reel packaging

Place units in an oven at 35°C for 8 hours minimum or faster drying may be done at 120°C-150°C for 60 to 90 minutes. Re-pack using fresh dessicant packs after drying.

For units that are in tape & reel packaging

Place units in an oven at 35°C for 8 hours minimum. Re-pack using fresh dessicant packs after drying