

## 538 Series Trimmer Capacitor

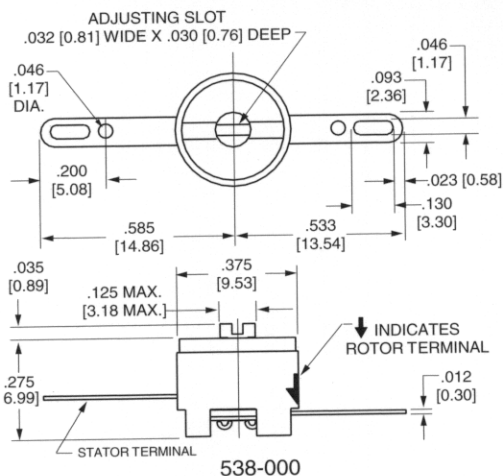


TUSONIX's 538 Series featured on this page is miniaturized for today's circuitry. All ceramic construction with optically flat interfaces provides tuning smoothness not obtainable with compression type trimmers.

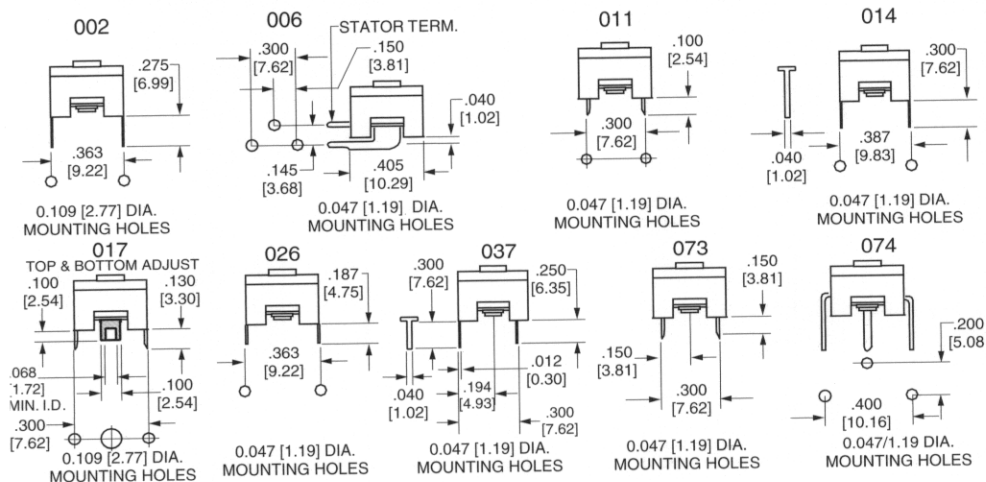
The silver electrodes are intimately bonded to the top surfaces of the base and rotor. The terminals and other metal parts are nonferrous and silver-plated to provide excellent conductivity and trouble free soldering.

A variety of capacitance ranges, terminations and mounting provisions makes these popular trimmers ideal for nearly all applications.

### Dimensions



### Terminal Variation Options



For dimensions  $\leq .125"/3.18\text{mm}$ , tolerance is  $\pm .015/0.38$   
 For dimensions  $\geq .126"/3.20\text{mm}$ , tolerance is  $\pm .030/0.76$

### Ordering Data

	MIL PRF-81 Designation CV31 TUSONIX Style: 538-054	MIL PRF-81 Designation CV32 TUSONIX Style: 538-067	Dielectric Type Code	Capacitance Range (pF)
Specify series 538 followed by the three digit Terminal Variation you select from the chart below. Then list the Dielectric type code from the table at the right and the corresponding Capacitance Range. EXAMPLE: 538-002 A 2-8	CV31A080	CV32A080	A	2.0 to 8
	CV31B110	CV32B110	B	2.5 to 11
	--	--	A	3.0 to 10
	CV31C100	CV32C100	C	3.0 to 10
	CV31D150	CV32D150	D	3.0 to 15
	--	--	B	3.5 to 14
	CV31A180	CV32A180	A	5.5 to 18
	--	--	F	5.0 to 25
	--	--	D	5.5 to 25
	CV31B250	CV32B250	B	7.0 to 25
	CV31C250	CV32C250	C	8.0 to 25
	CV31D350	CV32D350	D	9.0 to 35
CV31E600	CV32E600	F	15.0 to 60	

### Specifications

Working Voltage A,B,C: . . . . .350Vdc @ 85°C  
 200Vdc @ 125°C  
 Working Voltage D & F: . . . . .200Vdc @ 85°C  
 100Vdc @ 125°C  
 Dielectric Strength: . . . . . 500 Vdc for 1-5 Sec.  
 Operating Temp. Range: . . . . .-55°C to 125°C  
 Q Factor @ 1 MHz: . . . . . 500 Minimum  
 I.R.: . . . . . 10 gigaohms min. at 25°C  $\pm$ 5°C  
 Torque: . . . . . 1.0-6.0 oz. in.[0.7-4.3 Ncm]  
 Performance Specification: . . . . . Page 6

**Marking:** All units will be marked with the TUSONIX trademark, capacitance range and dielectric type code.

**Example:** T 2-8 A