

TUSONIX

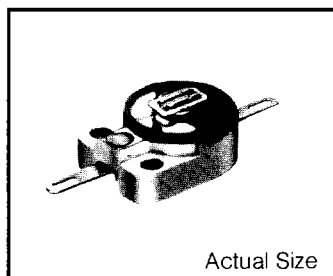
500 WVdc CERAMIC TRIMMERS

SERIES 503

These trimmers are widely recognized in the industry for their stability and dependability under adverse operating conditions. The steatite base and titanium dioxide rotor are lapped optically flat to provide min-

imum air gap and maximum stability. The silver electrodes are intimately-bonded to the top surfaces of the rotor and base. Capacitance change per degree of rotation is essentially linear to assure tuning smoothness

not obtainable with compression type trimmers. All terminals and hardware are of non-ferrous metal and are silver-plated to provide superior conductivity and solderability.



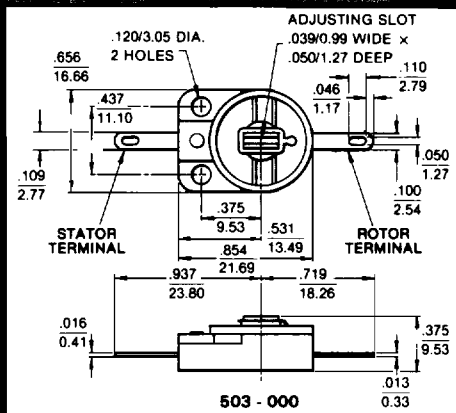
SPECIFICATIONS

Working Voltage A, C: 500 WVdc @ 125°C
D and F: 500 WVdc @ 85°C; 250 WVdc @ 125°C
Dielectric Strength 1250 Vdc for 1-5 sec.
Operating Temperature Range -55°C to +125°C
Q Factor @ 1 MHz 500 Minimum; A, C, D
400 Minimum: F

Torque 4-20 oz. in.
Qualification Specification TUSONIX Spec. 500 (page 9)

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

Example: T 2-6 D



Ordering Data

Specify series 503 followed by the three digit Terminal Variation you select from the chart below. Then list the Dielectric Type Code you select from the table at right and the corresponding Capacitance Range.

Example:
503-001 A 1.5-7 pF

MIL C-81 Designation MIL CV11 TUSONIX Style 503-041*	Dielectric Type Code (see p. 9)	Capacitance Range
CV11A070	A	1.5 to 7
CV11D060	D	2.0 to 6
CV11A120	A	3.0 to 12
CV11C300	C	4.0 to 30
CV11D300	D	4.0 to 30
CV11A250	A	4.5 to 25
—	A	5.0 to 20
CV11C450	C	7.0 to 45
CV11D450	D	7.0 to 45
—	F	11.0 to 110

Terminal Variation Options

001 * 	006 	007 TIN DIPPED TERMINALS 	009 	018 .094 MAX. 	037
048 TOP & BOTTOM ADJUST 	049 	056 	069 TOP & BOTTOM ADJUST 	072 	074

For dimensions $\leq .110$ "/2.79 mm, tolerance is $\pm .015$ /0.38

For dimensions $\geq .111$ "/2.81 mm, tolerance is $\pm .030$ /0.76

Except where noted