

518 Series Trimmer Capacitor

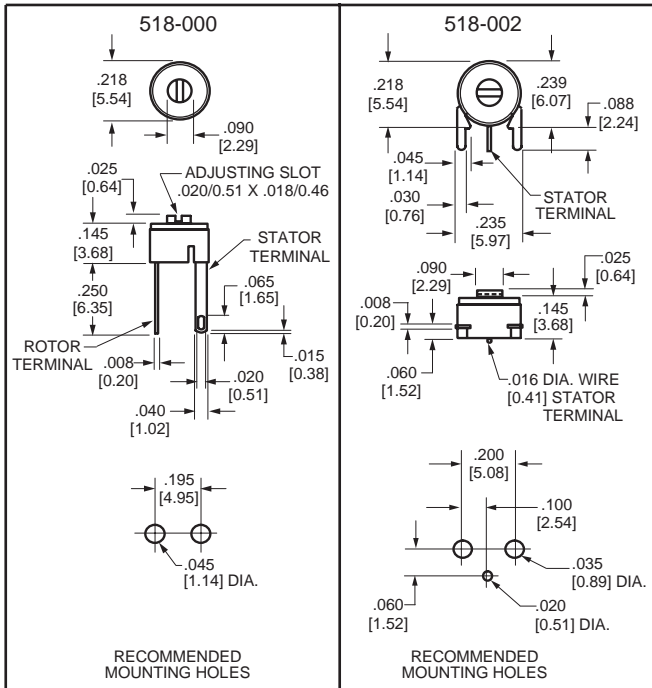


Features of the 518 Trimmer

This tiny trimmer occupies less than .007 [.11 cc] cubic inches of space, while exhibiting the ruggedness and capacitance range of a unit many times its size. Its superb design assures rigid mounting stability.

A development of TUSONIX' exclusive Monolithic Process, the sealed-in-ceramic rotor electrode guarantees stability under extreme environmental conditions. Precision lapped bearing surfaces afford smooth linear tuning.

Terminal Variation Options



For dimensions $\leq .125"/3.18\text{mm}$, tolerance is $\pm .005/0.13$
 For dimensions $\geq .126"/3.20\text{mm}$, tolerance is $\pm .015/0.38$

How to Order

Begin with '0', then specify series '518' followed by the three digit Terminal Variation you select from the above options. Then list the Dielectric Type Code you select from the table and the corresponding Capacitance Range.

EXAMPLE: 0518-000A1.0-3

Ordering Data

TUSONIX Part Number	MIL PRF-81 Designation CV35 TUSONIX Style 518-016	Dielectric Type Code	Capacitance Range (pF)	TUSONIX Part Number	MIL PRF-81 Designation CV36 TUSONIX Style 518-017	Dielectric Type Code	Capacitance Range (pF)
518-000	CV35A030	A	1.0-3	518-002	CV36A030	A	1.25-3
518-000	CV35A050	A	2.0-5	518-002	CV36A050	A	2.0-5
518-000	CV35A090	A	2.5-9	518-002	CV36A090	A	2.5-9
518-000	CV35A200	A	3.5-20	518-002	CV36A200	A	3.5-20
518-000	CV35A150	A	5.0-15	518-002	CV36A150	A	5.0-15
518-000	CV35A250	A	5.0-25	518-002	CV36A250	A	5.0-25
518-000	--	A	6.0-22	518-002	--	A	6.0-22
518-000	CV35C400	C	7.0-40	518-002	CV36C400	C	7.0-40

Specifications

Working Voltage A & C: 100Vdc to 85°C; 50Vdc to 125°C
 Dielectric Strength Two times WVdc for 1 to 5 seconds
 Operating Temperature Range -55°C to 125°C
 Q Factor @ 1 MHz Code A & C: 500 Minimum
 Insulation Resistance. 10 gigaohms minimum at 25°C $\pm 5^\circ\text{C}$
 Torque. 0.3 to 3.0 oz. in. [0.2-2.0 Ncm]
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Marking: All units will be marked with the TUSONIX trademark, capacitance range and dielectric type code.

Example: T 1-3 A

