Variable Compression Mica Trimmers and Padders

Part Number Construction



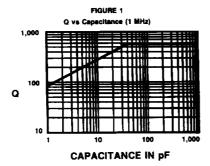
- 1. Type: ST; PC; C
- Numeric Designation: Indicates shape, construction, dimensions, and capacitance.

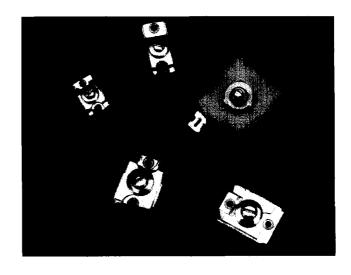
STANDARD TRIMMERS

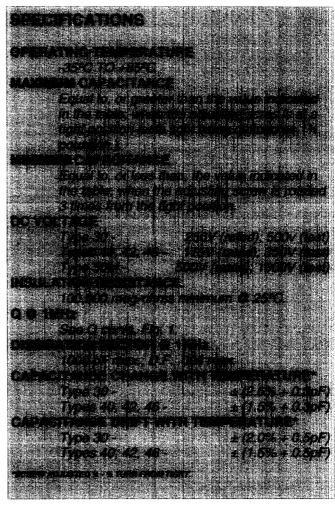
These variable compression mica trimming capacitors are produced by stacking mica dielectric capacitance units. A capacitor section consists of a thin film of mica between two spring loaded nonferrous metal conducting plates; the stacked units are mounted within a ceramic container, or on a ceramic base. By alternating metal plate, mica film, metal plate, etc., and paralleling these units, any desired capacitance within the physical limitations of the ceramic base can be achieved. A panhead adjusting screw #2-64, UNS-2 thread for types 40 and 42 and a #4-64, UNS-2 thread for type 46 is inserted through the center holes of the plates, the mica films, and the threaded bushing. This screw provides variable compression on the formed metal plates, varying the plate separation capacitance.

Arco trimming capacitors are treated for resistance to humidity and for permanence of capacity setting. The base is made of the lowest loss ceramic dielectric available and the mica is clear India Ruby. The soldering lugs may be bent in any position without affecting the capacitance setting.

Trimmers shown are standard sizes and capacities. Standard dimensional adjustment tolerance is ± 1/32" or ±31/2°, whichever is applicable. Terminals having several lugs can be spotwelded together to prevent separation and flaring.







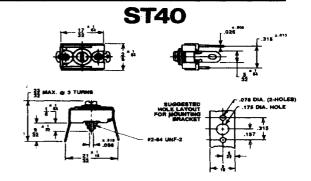


Variable Compression Mica Trimmers and Padders

Type ST-40xx - MINIATURE TRIMMER

VOLTAGE 350 VDCT - 175 VDCT

| 400 | 7 | 2.5 |
|-----|-----|-----|
| 402 | 20 | 4 |
| 403 | 45 | 8 |
| 404 | 65 | 12 |
| 405 | 90 | 16 |
| 406 | 115 | 25 |
| 407 | 285 | 55 |
| 408 | 340 | 90 |

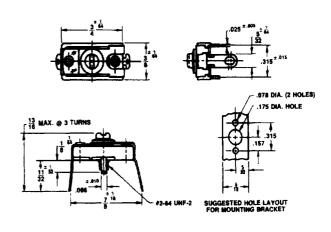


Type ST-42xx - MIDGET TRIMMER

VOLTAGE 350 VDCT - 175 VDCT

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|------------|------------------------------|-----|--|
| Participan | | | |
| 420 | 12 | 2.5 | |
| 421 | 25 | 3.5 | |
| 422 | 40 | 7 | |
| 423 | 100 | 16 | |
| 424 | 150 | 25 | |
| 425 | 200 | 40 | |
| 426 | 250 | 55 | |
| 427 | 300 | 75 | |
| 428 | 350 | 95 | |
| 429 | 400 | 115 | |
| 4210 | 450 | 130 | |
| 4211 | 500 | 150 | |
| 4212 | 550 | 170 | |
| 4213 | 600 | 200 | |
| 4214 | 650 | 220 | |
| 4215 | 700 | 240 | |

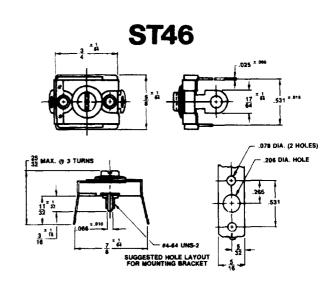
ST42



Type ST-46xx - STANDARD TRIMMER

VOLTAGE 350 VDCT - 175 VDCT

| INPE 41 | | |
|------------|------|-----|
| Part de do | | |
| 460 | 15 | 3 |
| 461 | 30 | 5 |
| 462 | 80 | 10 |
| 463 | 180 | 20 |
| 464 | 280 | 45 |
| 465 | 380 | 75 |
| 466 | 480 | 105 |
| 467 | 580 | 140 |
| 468 | 680 | 175 |
| 469 | 790 | 215 |
| 4610 | 900 | 260 |
| 4611 | 1000 | 300 |
| 4612 | 1100 | 330 |
| 4613 | 1200 | 360 |
| 4614 | 1300 | 380 |
| 4615 | 1400 | 420 |





Variable Compression Mica Trimmers and Padders

"PC" TRIMMERS

The Arco trimmer capacitors, Types 40, 42, and 46, have been adapted for printed circuit techniques. Thus, the holes in the terminal lugs are eliminated. The printed circuit terminals have greatly increased spring action, allowing the trimmer to be snapped in the printed circuit board and held firmly until soldered. The mounting lug portion of the trimmer has also been modified to facilitate positioning and support of the unit. Drawings of the trimmers and mounting layout are available upon request.

This printed circuit style is designated by the prefix letters "PC" followed by the regular part number. All values listed are available in PC style.

"C" TRIMMERS

Type C trimmer is a stand off variation for printed circuit application. Instead of the raised staple, the TYpe C trimmer has .062" width notched teminals to raise the trimmer from the printed circuit board .125 inches. Designate type C by preceding the part number with the letter C.

Example: 426 trimmer in Type C would be C-0426.

'PC' Printed Circuit Style Trimmers

