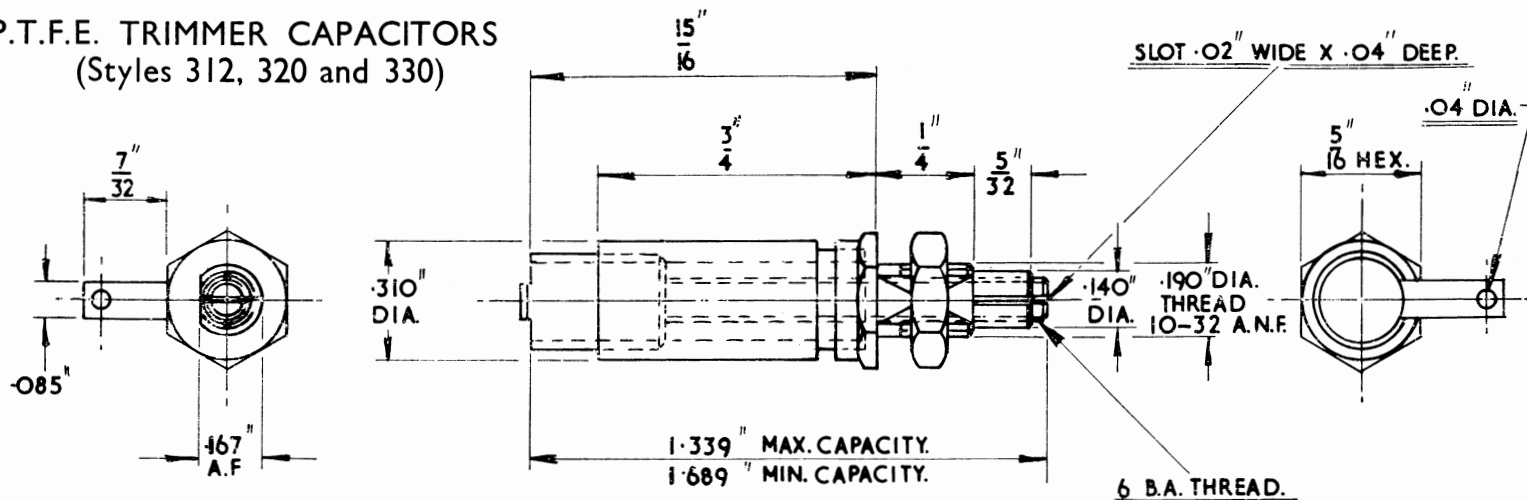
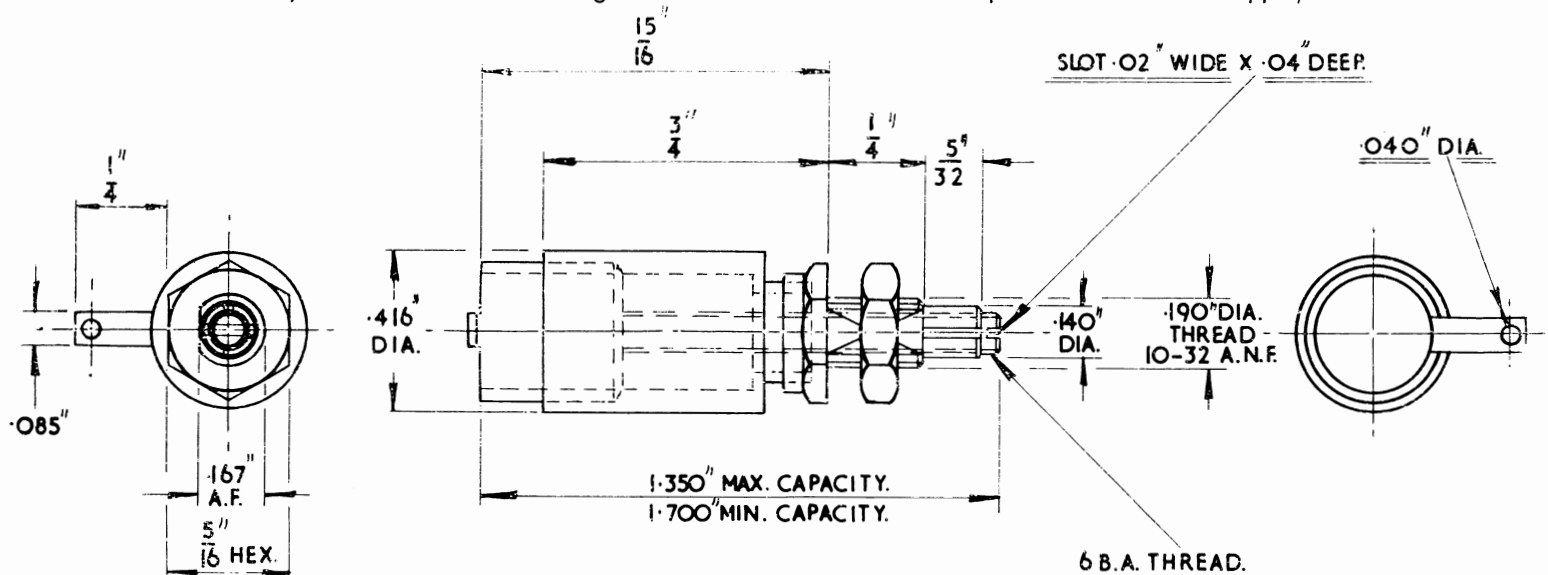


P.T.F.E. TRIMMER CAPACITORS
(Styles 312, 320 and 330)



Style
312

Provisional Specification:— P.T.F.E. Dielectric. Min. Capacity less than 1 pF. Max. capacity 12 pF within + 20%.
Drawing No. 4240
As Style 212 but without Locking Device. Test at 2500 V Peak. Power factor less than .001 at 1 M c/s.
Positive temperature coefficient 50 ppm/°C.



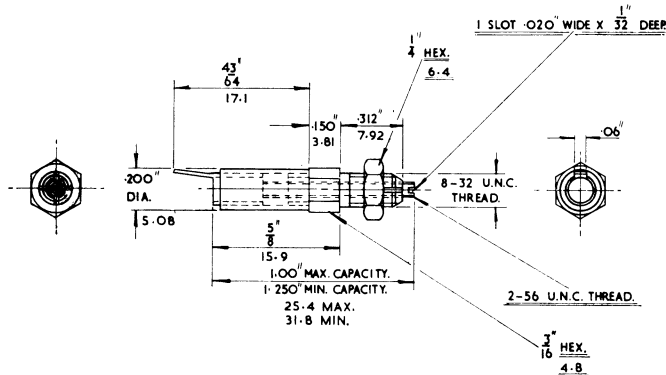
Style
320

Provisional Specification:— P.T.F.E. Dielectric. Min. capacity less than 2 pF. Max. capacity 20 pF within + 20%.
Drawing No. 4241
As Style 220 but without Locking Device. Test at 2500 V Peak. Power factor less than .001 at 1 M c/s.
Temperature Coefficient +150 p.p.m./°C.

Style 330 as Style 320 but Max. Capacity 30 pF within + 20% and tested at 1500 Volts Peak—Drawing No. 4252
Temperature Coefficient of + 150 ppm/°C.

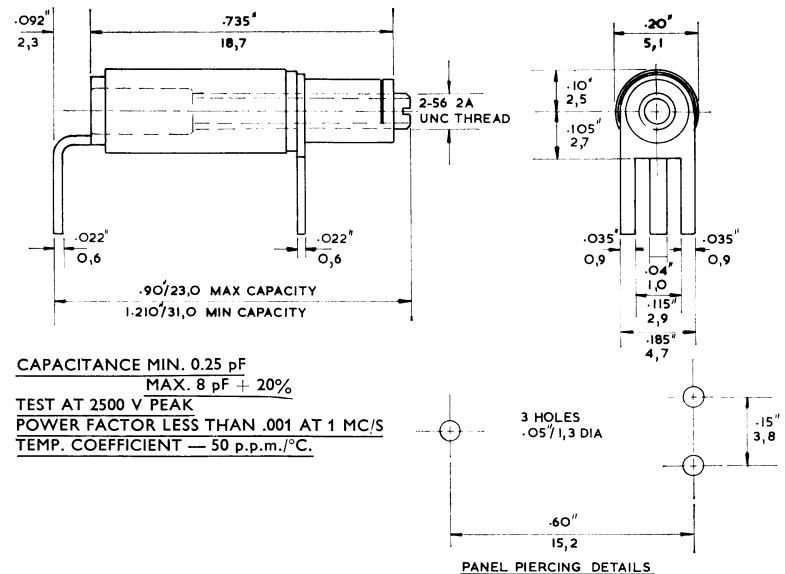
P.T.F.E. TRIMMER CAPACITORS

STYLE 408
DRAWING No. 4462



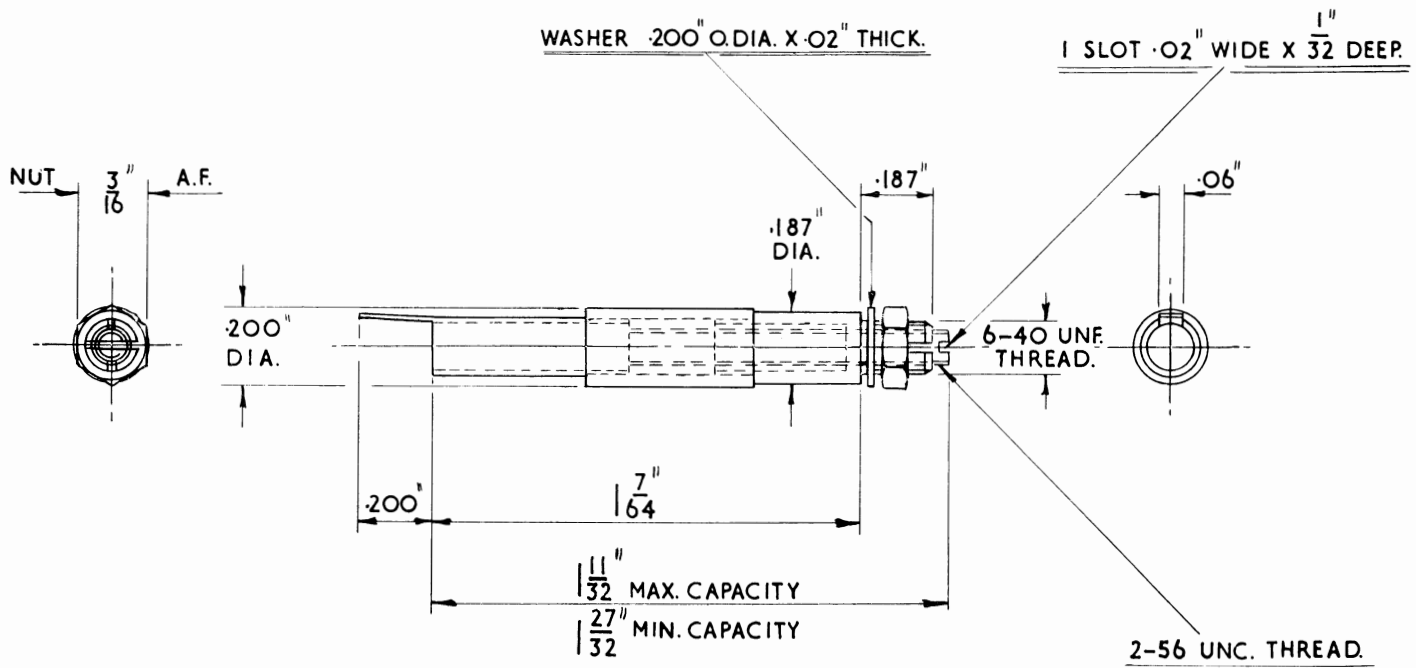
SPECIFICATION: P.T.F.E. Dielectric Ceramic Body.
Other Parts Silver Plated Brass.
Power Factor less than .001 at 1 M c/s.
Min. Cap. $\frac{1}{4}$ pF.
Max. Cap. 8 pF within + 20%.
Temp. Coeff. — 50 ppm/°C.
Voltage Test 2500 v Peak.

STYLE 408 PC
DRAWING No. 4462/PC



Specification as for Style 408. Double Rotor Tag and Single Stator Tag arranged for easy horizontal fixing to P.C. Board.

P.T.F.E. TRIMMER CAPACITOR (Style 518)



Specification:

Power Factor less than .001 at 1 M c/s

Temperature Coefficient approx. + 200 ppm/°C.

Capacitance:— Min. not exceeding .8pF

Max. 18 pF within + 20%

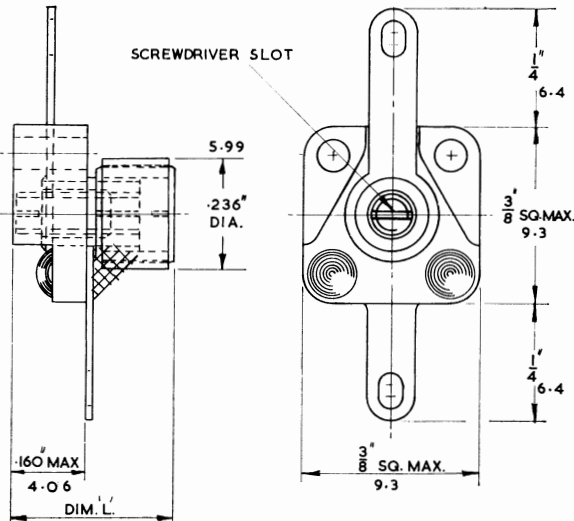
Test at 1500 V peak.

Drawing No. 4250.

Specification:— Material as Style 408.

TETFER TRIMMERS

TYPE C16 TETFER TRIMMER
Catalogue No. 5640

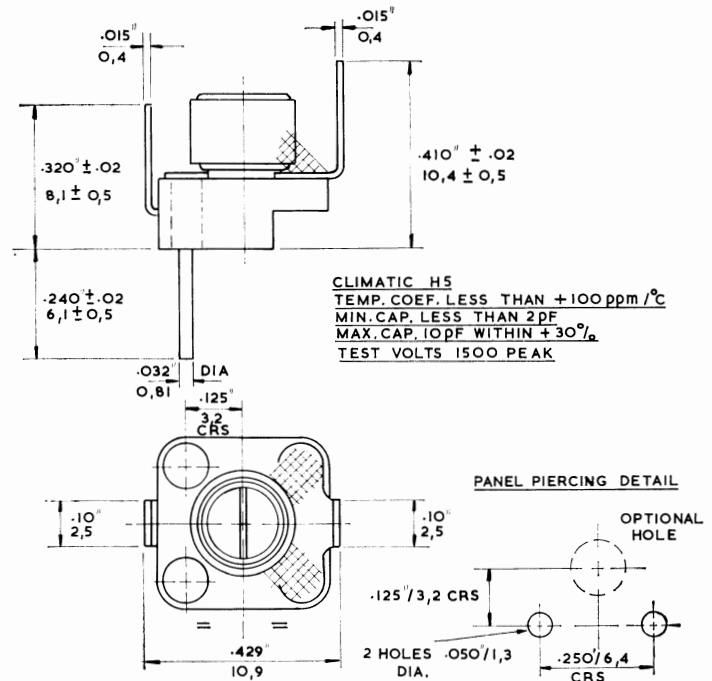


Climatic H5 —55° to + 125° C.

Temperature Coefficient + 200 ppm/°C.

Approximately 8 turns min. to max. adjustment.

TYPE C16 TETFER PM TRIMMER
Catalogue No. 5640 /PM



Provided with 2 pins for soldering to P.C. Board leaving Rotor and Stator connections above the Board.

MATERIAL: Ceramic Base; P.T.F.E. dielectric; other parts Brass.

FINISH: Siliconed Ceramic; Silver Plated Brass Parts.

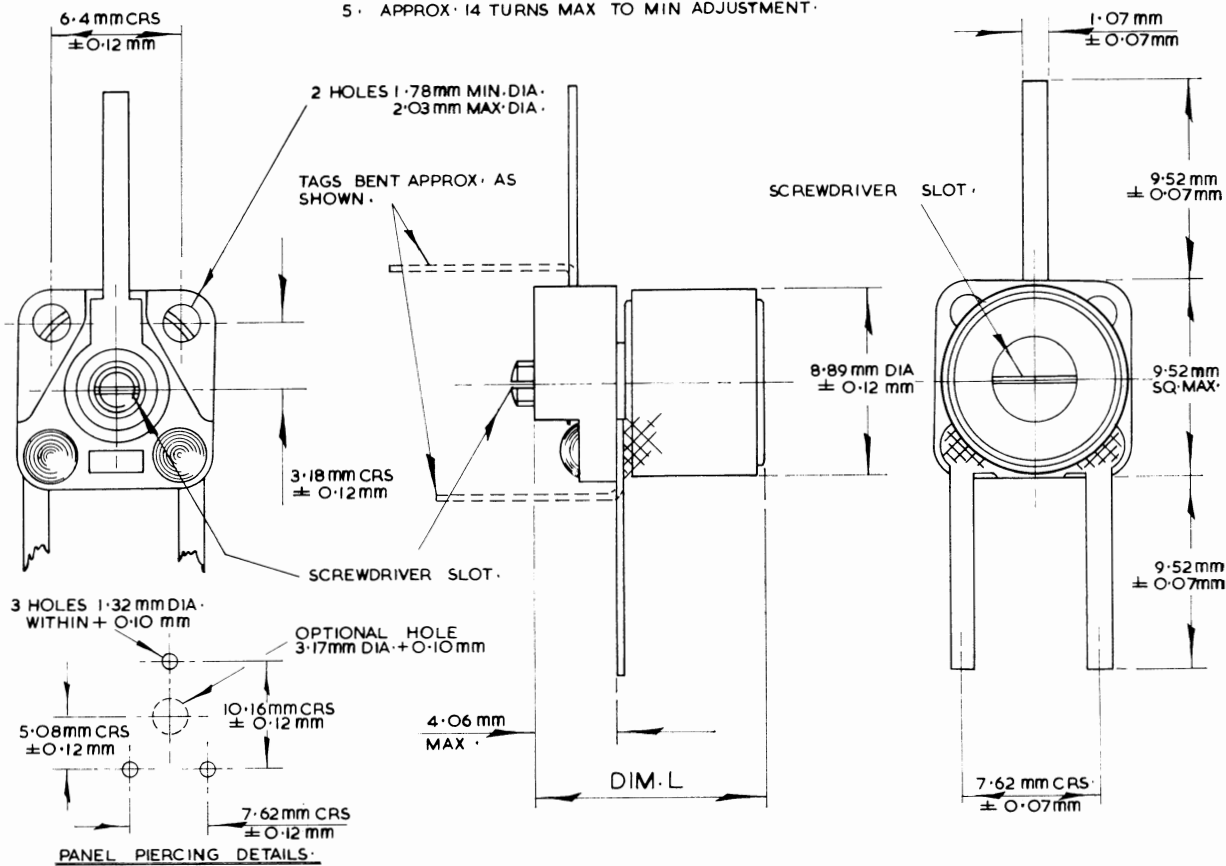
Both types available with Insulator Rotor extension above Rotor plunger. Cat. No. 5640/IR.

5640/10	.360"	.500"	2pF	10 pF	1500 V. Peak
Part No.	Dim. 'L' Max. Capacity	Dim. 'L' Min. Capacity	Min Cap. Less Than	Max. Cap Within + 30%	Test Volts

TYPE C16 20pF TETFER TRIMMER

1. TROPICALISED CLIMATIC CLASSIFICATION: -55°C TO $+125^{\circ}\text{C}$ H5
2. TEMPERATURE COEFFICIENT: $0 \pm 150\text{ppm}/^{\circ}\text{C}$
3. TORQUE: $1/2$ TO $5\text{ OZ}\cdot\text{INS}$
4. POWER FACTOR BETTER THAN: 0.001 AT 1 MHz
5. APPROX. 14 TURNS MAX TO MIN ADJUSTMENT

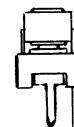
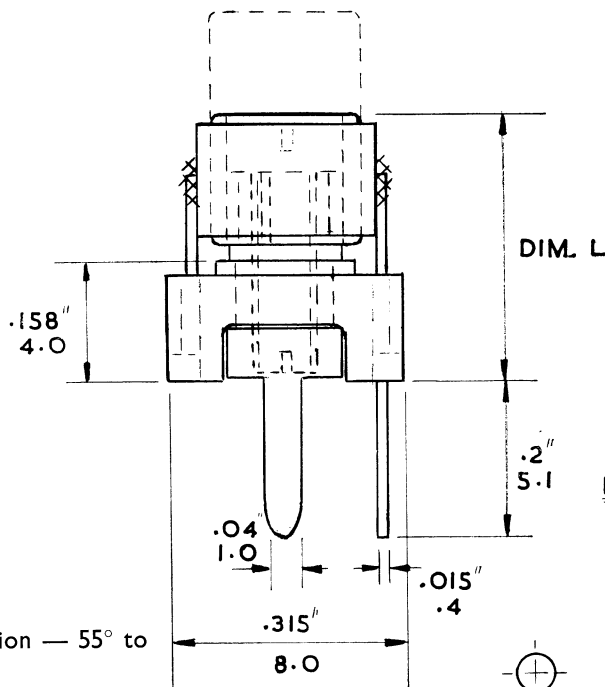
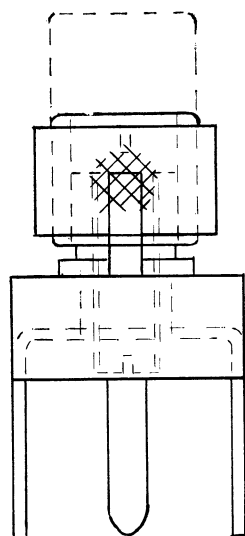
5646/ VPC	12.07 mm	18.16 mm	2 PF	20 PF	1500 V · PEAK
PART N°	MAX DIM L AT MAXCAP	MAX DIM L AT MIN CAP	MIN CAP LESS THAN	MAX CAP WITHIN +30 %	TEST VOLTS



P.C. Tags can be arranged to provide Horizontal Mounting. Drg. No. 5646/H.P.C.

Drawing No. 5646/V.P.C.

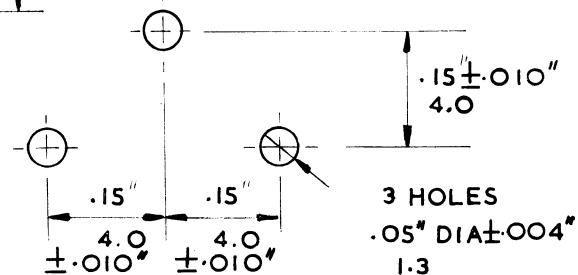
8mm TETFER TRIMMER



**ACTUAL
SIZE**

Shown with P.C. Tags for Vertical Mounting. Also available with Tags for Horizontal Mounting as shown on page 49. Cat. No. 5750/H.P.C.

PANEL PIERCING DETAILS



Tropicalised Climatic Classification — 55° to + 125° C H5.

Temperature Coefficient + 250 ppm/°C.

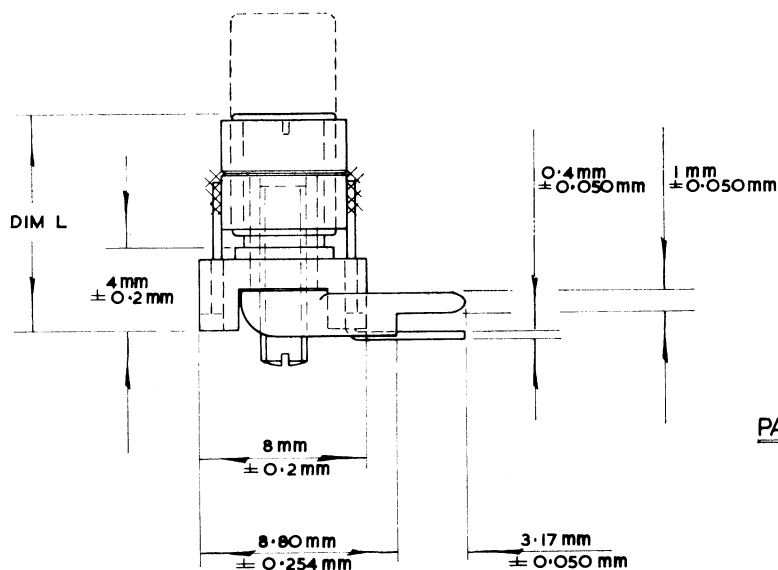
Approx. 8 turns max. to min. adjustment.

5750	.360" 9.14	.500" 12.7	2pF	10pF	1500 V. PEAK
PART NO.	DIM.L MAX CAPACITY	DIM.L MIN CAPACITY	MIN. CAP less than	MAX. CAP within +30%	TEST VOLTS

Drawing No. 5750/V.P.C.

8mm 15pF TETFER TRIMMER

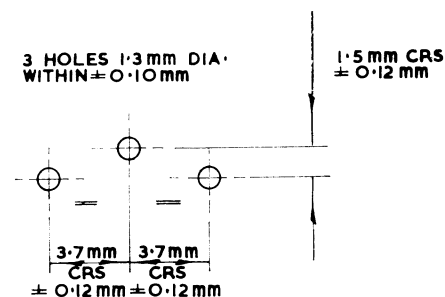
5890/H.P.C.	
PART N°	11.16mm
MAX DIM L AT MAX CAP	15.71mm
MAX DIM L AT MIN CAP	2pF
MIN CAP LESS THAN	15pF
MAX CAP WITHIN %	1500V-PEAK
TEST VOLTS	



NOTES:

- 1 : TROPICALISED CLIMATIC CLASSIFICATION: -55° TO $+125^{\circ}$ C H5
- 2 : TEMPERATURE COEFFICIENT: $+250$ ppm/ $^{\circ}$ C ± 200
- 3 : APPROX: 10 TURNS MAX. TO MIN. ADJUSTMENT
- 4 : TORQUE: $\frac{1}{2}$ TO 5 OZ. INS.
- 5 : POWER FACTOR BETTER THAN: 0.001 AT 1 MHz

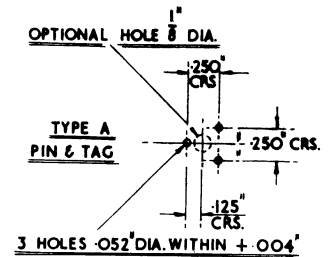
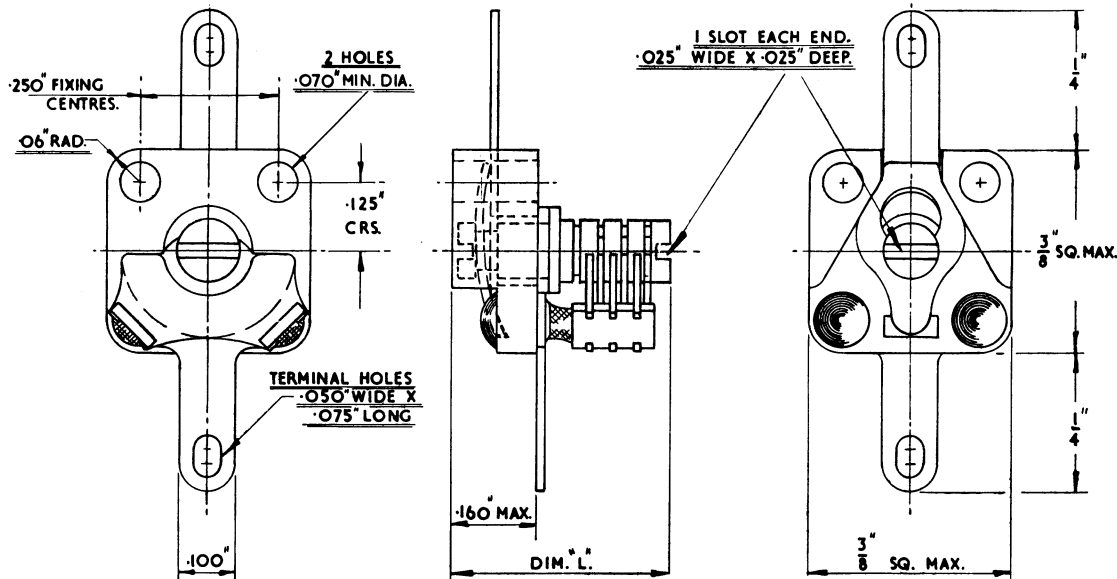
PANEL PIERCING DETAILS:



Shown with P.C. Tags for Horizontal Mounting. Also available with Tags for Vertical Mounting as shown on page 48. Cat. No. 5890/V.P.C.

Drawing No. 5890/H.P.C.

MINIATURE AIR DIELECTRIC TRIMMER C.16



Also available with Printed Circuit mountings.

Two Standards are provided:—
 "Pin and Tag" fixing on .250" centres using two round pins for Stator and one Tag for Rotor connection.

Drawing No. 5440/PC/PT.

Drawing No. 5440

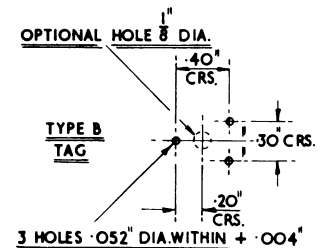
5440/20	.74"	11	12	.0075"	3.5	20.0
5440/14	.58"	7	8	.0075"	3.0	14.0
5440/82	.58"	7	7	.0075"	3.0	11.5
5440/81	.50"	5	5	.0075"	3.0	8.5
5440/80	.40"	3	3	.0075"	2.5	5.0
PART No.	DIM. "L" MAX.	MOVING VANES	FIXED VANES	AIR GAP	MIN. CAP.	CAP. SWING

Siliconed Ceramic Insulation. Soldered and silver plated Brass Vane Packs.

Beryllium Copper Rotor Spring.

Temperature coefficient:— 50 p.p.m. per deg. C. End Area $\frac{3}{8}$ " square.

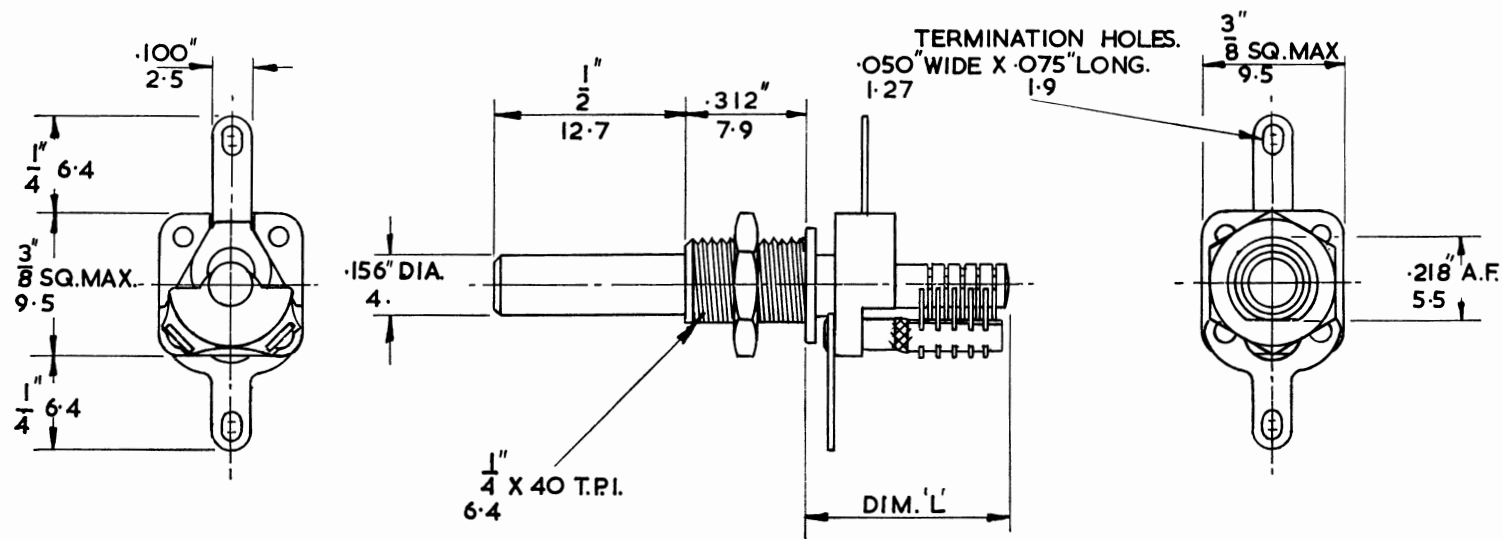
Tested at 500 Volts D.C.



"Tag" fixing on .3" and .4" centres using two Tags for Stator and one for Rotor connection.

Drawing No. 5440/PC/T.

MINIATURE AIR DIELECTRIC TRIMMER CI604



TEMPERATURE COEFFICIENT :- 50 p.p.m. PER DEG. C.

TOLERANCE ON CAP. SWING :- WITHIN $\pm 20\frac{0}{8}$

S.L.C. LAW.

Tested at 500 Volts D.C.

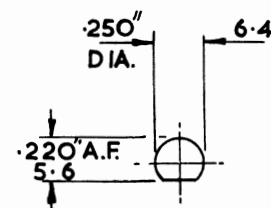
Siliconed Ceramic Insulation.

Soldered and Silver plated Brass Vane Packs.

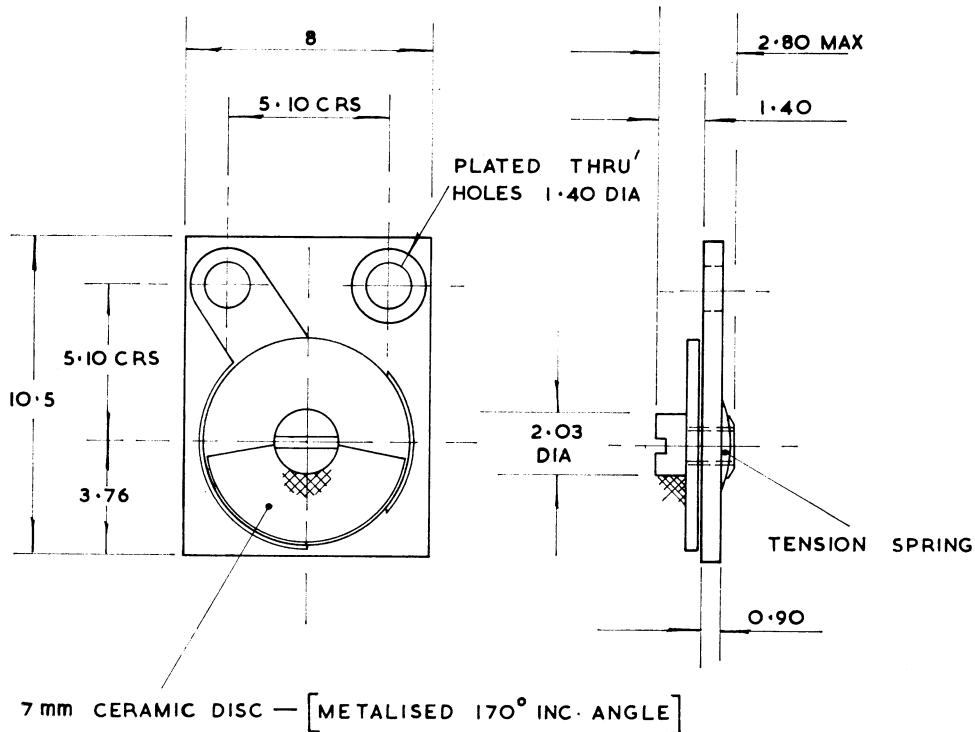
Beryllium Copper Rotor Spring.

5439 / 20.0	.800" 20.3	11	12	.0075" .190	3.5	20.0
5439 / 14.0	.640" 16.2	7	8	.0075"	3.0	14.0
5439 / 11.5	.605" 15.4	7	7	.0075"	3.0	11.5
5439 / 8.5	.525" 13.3	5	5	.0075"	3.0	8.5
5439 / 5.0	.445" 11.3	3	3	.0075"	2.5	5.0
PART NO.	DIM 'L' MAX.	MOVING VANES	FIXED VANES	AIR GAP.	MIN. CAP.	CAP SWING

FIXING HOLE



DISCON TRIMMER



ALL DIMENSIONS IN MILLIMETRES

NOTES:

1. BREAKDOWN VOLTAGE AT MAX. C. : $> 1.5 \text{ KV}$
2. INSULATION RESISTANCE : $> 10^4 \text{ M } \Omega$
3. TORQUE: 30 grm. cms. TO 150 grm. cms.
[$\frac{1}{2} \text{ OZ. IN. TO } 2 \text{ OZ. INS.}$]
4. OPERATING TEMP: -20°C TO $+70^\circ\text{C}$

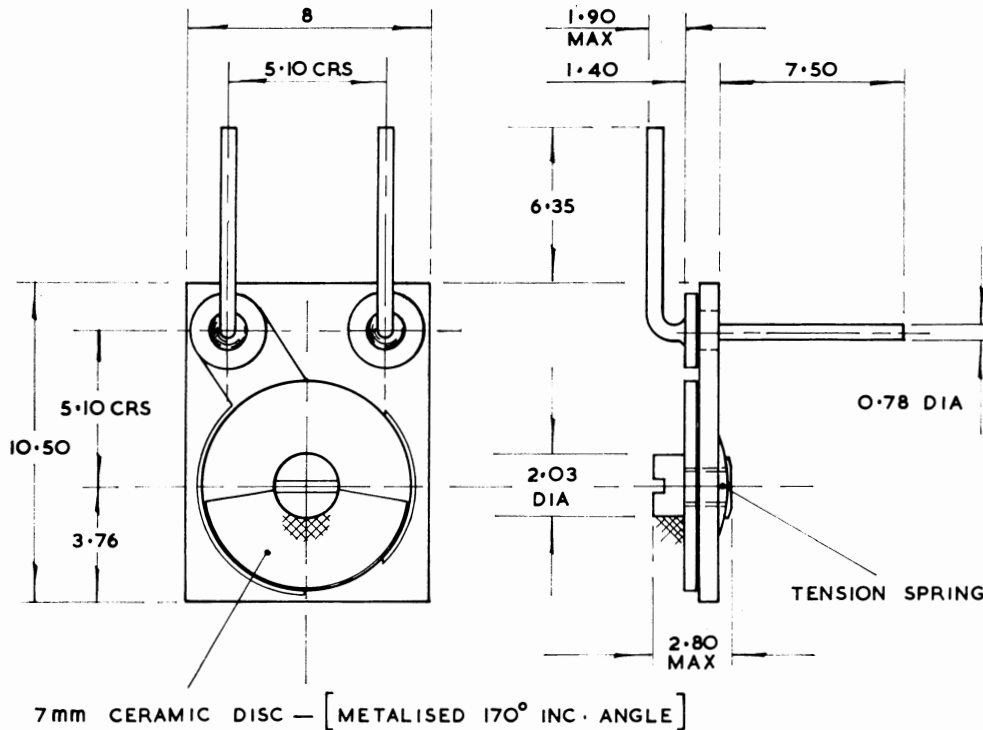
PART N°	COLOUR CODE	CAPACITANCE RANGE [pF]	POWER AT [1 MHz]	FACTOR	TEMPERATURE COEFF. [ppm/°C]
10000 / 1	RED	2.5 — 10	<	0.001	NPO ± 100
10000 / 2	BLUE	3.5 — 14	<	0.001	N250 ± 250
10000 / 3	ORANGE	6.0 — 25	<	0.001	N500 ± 300
10000 / 4	BROWN	8.0 — 40	<	0.001	N1000 ± 300

NOTE:

MOUNTING ON 0.200" CENTRES

Drawing No. 10,000

DISCON TRIMMER WITH P.C. PINS



ALL DIMENSIONS IN MILLIMETRES.

NOTES :

1. BREAKDOWN VOLTAGE AT MAX. C :
> 1.5 KV
2. INSULATION RESISTANCE : > 10^4 M Ω
3. TORQUE : 30 grm. cms. TO 150 grm. cms.
[1/2 OZ. IN. TO 2 OZ. INS.]
4. OPERATING TEMPERATURE : - 20°C
TO + 70°C

PART N°	COLOUR CODE	CAPACITANCE RANGE [pF]	POWER FACTOR AT [1 MHz]	TEMPERATURE COEFF. [ppm/°C]
10000/1/W.P.	RED	2.5 — 10	< 0.001	NPO ± 100
10000/2/W.P.	BLUE	3.5 — 14	< 0.001	N250 ± 250
10000/3/W.P.	ORANGE	6.0 — 25	< 0.001	N500 ± 300
10000/4/W.P.	BROWN	8.0 — 40	< 0.001	N1000 ± 300

NOTE: P.C. PINS CROPPED TO PROVIDE FOR V.P.C. OR H.P.C. MOUNTING ON 0.200" CENTRES, AS REQUIRED.

Drawing No. 10,000/W.P.