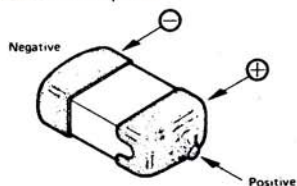


## Tantalum Capacitor



Polarized, Unmarked  
(determine value from layout  
and Parts List)

Dielectric Constant (Hi K) types (high value)

B	D
□□	□□

F ..... No bar

Cap. Tolerance

B = 10%

D = 20%

F = +80%/-20%

Examples:  $\overline{A1}$  10pF NPO  
J3I 0.0022 $\mu$ F D  
IA3 0.001 $\mu$ F B

## CAT TEST PROGRAM

## DLIST

```

5 REM RESET FIF-65 I/O CHIP
10 POKE 49345,0: POKE 49345,0: POKE 49345,0
15 REM INITIALIZE FIF-65 I/O CHIP
20 POKE 49345,64: POKE 49345,207: POKE 49345,55
30 HOME : PRINT "INPUT (0) - (7) "
40 PRINT " (0).....FREQUENCY SET"
50 PRINT " (1).....FM-WIDE"
60 PRINT " (2).....FM-NARROW"
70 PRINT " (3).....AM-WIDE"
80 PRINT " (4).....AM-NARROW"
90 PRINT " (5).....USB"
100 PRINT " (6).....LSB"
120 PRINT " (7).....END": PRINT
130 INPUT " SELECT 1 - 7 >";A: IF A > 7 THEN 30
135 REM CALL -958 CLEARS ALL BELOW CURSOR
140 PRINT : IF A = 7 THEN HTAB 1: VTAB 1: CALL - 958: END
150 IF A = 0 THEN N0 = 10: GOTO 1000
160 IF A = 1 THEN N0 = 23
170 IF A = 2 THEN N0 = 22
180 IF A = 3 THEN N0 = 21
190 IF A = 4 THEN N0 = 20
200 IF A = 5 THEN N0 = 17
210 IF A = 6 THEN N0 = 16
220 GOTO 2000
1000 REM FREQUENCY SET
1010 PRINT "INPUT FREQ. (MHZ)"
1020 PRINT " FREQ. RANGE 60.0 - 905.0 (MHZ) ": PRINT
1030 INPUT FR
1040 IF FR < 60.0 OR FR > 905.0 THEN PRINT : PRINT " OUT OF RANGE !": PRINT
: HTAB 10: PRINT "INPUT AGAIN !": FOR I = 0 TO 1000: NEXT : VTAB 14: CALL
- 958: GOTO 1020
1050 FR = FR * 10000
1060 M1 = INT (FR / 100000)
1070 M2 = INT (FR / 1000) - M1 * 100
1080 M3 = INT (FR / 10) - M1 * 10000 - M2 * 100
1090 L1 = M1 * 100000: L2 = M2 * 1000: L3 = M3 * 10
1100 M4 = FR - L1 - L2 - L3: M4 = INT (M4 + .5) * 10
1110 N1 = INT (M1 / 10) * 16 + M1 - INT (M1 / 10) * 10
1120 N2 = INT (M2 / 10) * 16 + M2 - INT (M2 / 10) * 10
1130 N3 = INT (M3 / 10) * 16 + M3 - INT (M3 / 10) * 10
1140 N4 = INT (M4 / 10) * 16 + M4 - INT (M4 / 10) * 10
2000 REM SEND 5BYTES VIA FIF-65 TO RCVR
2010 POKE 49344,N0: POKE 49344,N1: POKE 49344,N2: POKE 49344,N3: POKE 49
344,N4
2020 GOTO 30

```