

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

STANDARD DRAWING

| TYPE DESIGNATION | CAP. μ M.F. | D.C. WVG. VTGE. | CHARACTERISTICS AVAILABLE AT | | COLOR CODE | | |
|------------------|-----------------|-----------------|------------------------------|---------------|------------------|-----------------|-----------------|
| | | | $\pm 2\%$ (G) | $\pm 5\%$ (J) | UPPER CENTER DOT | UPPER RIGHT DOT | LOWER RIGHT DOT |
| CM30-471-03 | 470 | | | | | | |
| CM30-511-03 | 510 | | | | | | |
| CM30-561-03 | 560 | 500 | C E F | B D E F | GREEN | BLUE | BROWN |
| CM30-621-03 | 620 | do | C E F | B D E F | BLUE | RED | do |
| CM30-681-03 | 680 | do | C E F | B D E F | do | GREY | do |
| CM30-751-03 | 750 | do | C E F | B D E F | VIOLET | GREEN | do |
| CM30-821-03 | 820 | do | C E F | B D E F | GREY | RED | do |
| CM30-911-03 | 910 | do | C E F | B D E F | WHITE | BROWN | do |
| CM30-102-03 | 1,000 | do | C E F | B D E F | BROWN | BLACK | RED |
| CM30-112-03 | 1,100 | do | C E F | B D E F | do | BROWN | do |
| CM30-122-03 | 1,200 | do | C E F | B D E F | do | RED | do |
| CM30-132-03 | 1,300 | do | C E F | B D E F | do | ORANGE | do |
| CM30-152-03 | 1,500 | do | C E F | B D E F | do | GREEN | do |
| CM30-162-03 | 1,600 | do | C E F | B D E F | do | BLUE | do |
| CM30-182-03 | 1,800 | do | C E F | B D E F | do | GREY | do |
| CM30-202-03 | 2,000 | do | C E F | B D E F | RED | BLACK | do |
| CM30-222-03 | 2,200 | do | C E F | B D E F | do | RED | do |
| CM30-242-03 | 2,400 | do | C E F | B D E F | do | YELLOW | do |
| CM30-272-03 | 2,700 | do | C E F | B D E F | do | VIOLET | do |
| CM30-302-03 | 3,000 | do | C E F | B D E F | ORANGE | BLACK | do |
| CM30-332-03 | 3,300 | do | C E F | B D E F | do | ORANGE | do |
| CM30-352-03 | 3,600 | | | | | | |
| CM30-392-03 | 3,900 | | | | | | |
| CM30-432-03 | 4,300 | | | | | | |
| CM30-472-03 | 4,700 | | | | | | |
| CM30-502-03 | 5,000 | | | | | | |
| CM30-512-03 | 5,100 | | | | | | |
| CM30-562-03 | 5,600 | | | | | | |
| CM30-632-03 | 6,200 | | | | | | |

REPLACED BY APPROPRIATE VALUE IN STYLE CM 15. REF: S-805

CAPACITANCE VALUES FROM 3,600 TO 6,200 μ M.F. FORMERLY INCLUDED IN STYLE CM30 SHALL BE REPLACED BY THE APPROPRIATE VALUE IN STYLE CM35. REF: S-805

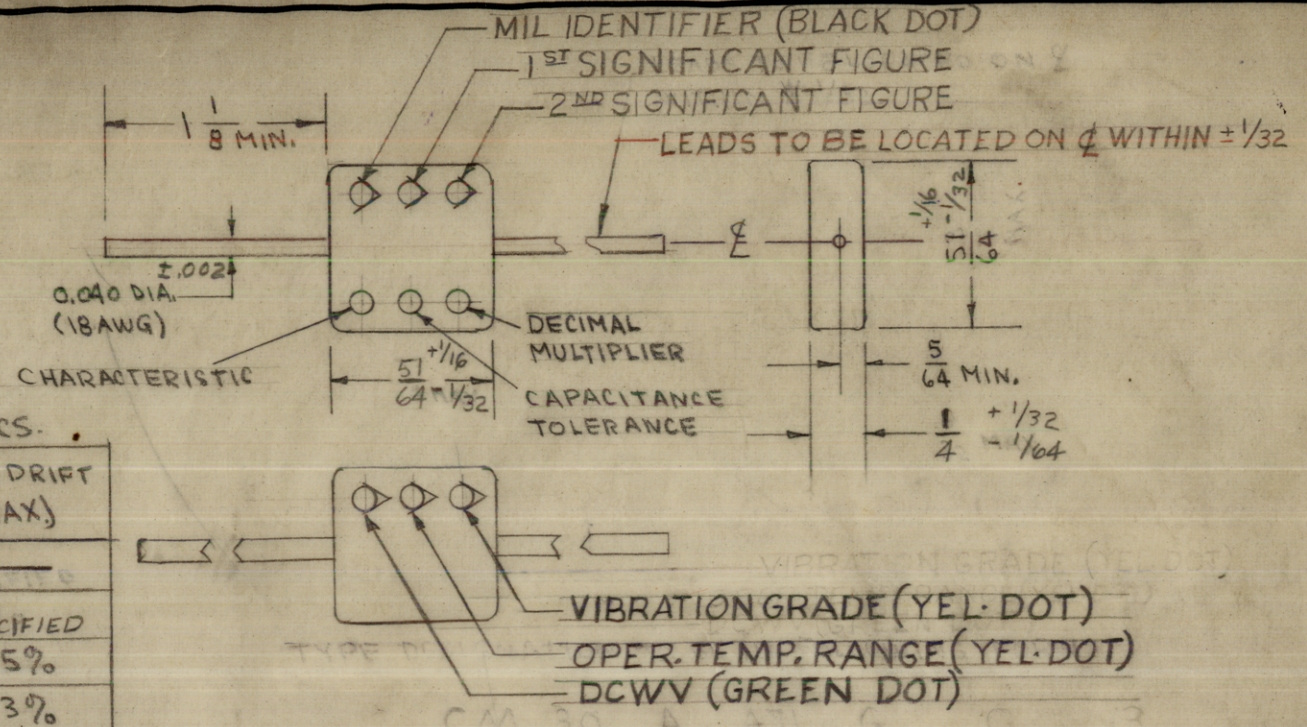
CM30 G

CHARACTERISTICS

| | TEMP. COEF. parts/mi./°C | CAP. DRIFT (MAX) |
|---|--------------------------|---|
| A | NOT SPECIFIED | NOT SPECIFIED |
| B | NOT SPECIFIED | NOT SPECIFIED |
| C | -200 to +200 | $\pm 0.5\%$ |
| D | -100 to +100 | $\pm 0.3\%$ |
| E | -20 to +100 | $\pm (0.1\% \text{ to } 0.1 \mu\text{mf})$ |
| F | 0 to +70 | $\pm (0.05\% \text{ to } 0.1 \mu\text{mf})$ |

COLOR CODE

| COLOR | CAPACITANCE | | TOLERANCE % | CHARACTERISTIC |
|--------|-------------|------------|-------------|----------------|
| | SIG. FIGURE | DEC. MULT. | | |
| BLACK | 0 | 1 | — | — |
| BROWN | 1 | 10 | — | B |
| RED | 2 | 100 | 2(G) | C |
| ORANGE | 3 | 1000 | — | D |
| YELLOW | 4 | — | — | E |
| GREEN | 5 | — | 5J | F |
| BLUE | 6 | — | — | — |
| VIOLET | 7 | — | — | — |
| GREY | 8 | — | — | — |
| WHITE | 9 | — | — | — |
| GOLD | — | 0.1 | — | — |
| SILVER | — | .01 | — | — |



SPECIFICATIONS

VIBRATION GRADE- 10 TO 2,000 CPS (3)
 OPER. TEMP. RANGE- -55 TO +125°C (0)
 WEIGHT- APPROXIMATELY 0.17 OUNCE
 MOISTURE RESISTANCE- 3% OR 1.0 μ mf CAP. CHANGE MAX.
 INSULATION RESISTANCE- (25°C) 50K Ω MINIMUM
 (125°C) 5K Ω MINIMUM

TYPE DESIGNATION TO BE IN THE FOLLOWING FORM:

CM 30 A 471 G 0 3

COMPONENT: CM, CASE: 30, CHARACTERISTICS: A, CAPACITANCE: 471, TOL.: G, VIBRATION GRADE: 0, OPER. TEMP. RANGE: 3

REF: S805

| REQ. ITEM | PART NO. | DESCRIPTION | SYMBOL |
|-------------------------------------|----------|---------------------------------|--------|
| THE TECHNICAL MATERIEL CORP. | | | |
| MAMARONECK. NEW YORK | | | |
| STOCK SIZE | | CAPACITOR, FIXED, | |
| MATERIAL | | MICA DIELECTRIC | |
| WEIGHT PER PC. | | C.D. 8-20-52 | |
| TYPE & TEMPER | | G.T.O | |
| HEAT TREAT. SPEC. | | DRAWN: JAL | |
| FINISH & SPEC. NO. | | ELEC. DES. APP. MECH. DES. APP. | |
| | | CHECKED: [Signature] | |
| | | FINAL APPROVAL: [Signature] | |

| ISSUE | ITEM | CHANGED FROM | DATE | CN. NO. | DRAFTS | CHECKER | ENG. APP. |
|-------|------|----------------------------|---------|---------|--------|---------|-----------|
| G | | DELE "YY" MIL-C-5 REF NOTE | 1.30.68 | 18749 | | | |
| F | | -471E-511 CM15 WAS CM25 | 9/27/68 | 14871 | | | |

NOTE: 1. ADD NOTE TO SER. TMC CM300 WHERE VIBRING YK SUPPLIX'S NON MILITARY. 2. "FOR SPECIAL VOLTAGES SEE TMC CM100" 3. SEE TMC CM300 BEFORE USING YK SUPPLIX'S

TOLERANCES: SCALE: FULL

ALL OTHERS: DEC. DIM. \pm , FRAC. DIM. \pm , ANGULAR DIM. \pm

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

MODEL: XFK PROJECT NO. ASS'Y. NO. DATE USED ON