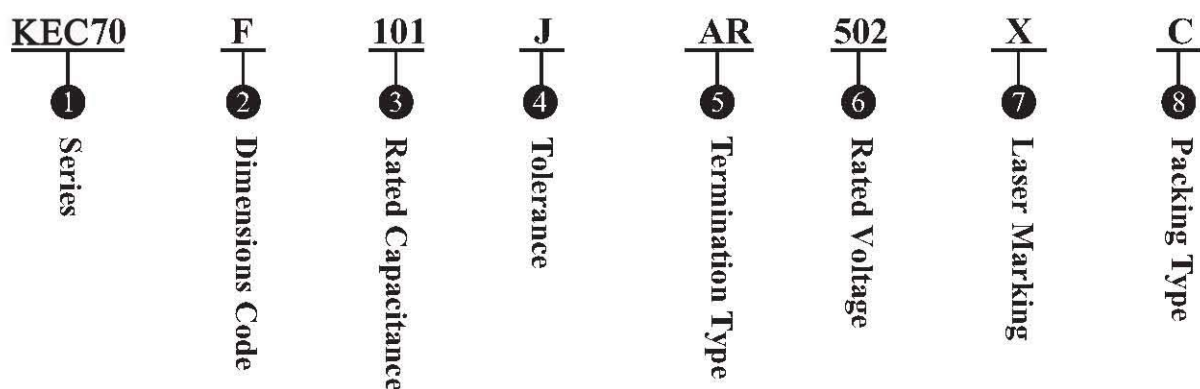


KEC70 Series

◆ Product Features

High Q, High RF Current/Voltage, High RF Power, Low ESR/ESL, Low Noise,
Ultra-Stable Performance.

◆ Part Numbering Overview



① **Series:** Kete 70 Series High RF Power Capacitor, Temperature Coefficient: $0 \pm 30\text{ppm}/^\circ\text{C}$.

② Dimensions Code

unit: inch (millimeter)

| | KEC70F | KEC70G | KEC70L |
|-----------|---|---|---|
| Length | .614(+.015~-.010) (15.60+0.38~-0.25) | .760(+.015~-.010) (19.30+0.38~-0.25) | 1.30(+.015~-.010) (33.40+0.38~-0.25) |
| Width | .433 \pm .010 (11.0 \pm 0.25) | .760 \pm .010 (19.30 \pm 0.25) | 1.30 \pm .010 (33.40 \pm 0.25) |
| Thickness | .197(5.00)max | .197(5.00)max | .197(5.00)max |

③ Rated Capacitance

Capacitance is less than 10pF; for example: 1R0=1.0pF, R denotes decimal point.

Capacitance is greater than 10pF; for example: 101=100pF, the third number is the power of 10.

④ Tolerance

| Code | B | C | D | F | G | J |
|-----------|--------------------|---------------------|--------------------|-----------|-----------|-----------|
| Tolerance | $\pm 0.1\text{pF}$ | $\pm 0.25\text{pF}$ | $\pm 0.5\text{pF}$ | $\pm 1\%$ | $\pm 2\%$ | $\pm 5\%$ |

⑤ Termination Type

| Code | W | P | L |
|------|------------------------------------|---|---|
| Type | 100% Sn Solder over Nickel Plating | 100% Sn Solder over Copper Plating (RoHS Compliant) | 90% Sn10%Pb Solder over Nickel Plating (Tin/Lead) |

| Code | MS | AR | AW | RW |
|------|------------|--------------|------------|-------------|
| Type | Microstrip | Axial Ribbon | Axial Wire | Radial Wire |

| Code | MN | AN | BN | RN |
|------|--------------------|----------------------|--------------------|---------------------|
| Type | Non-mag Microstrip | Non-mag Axial Ribbon | Non-mag Axial Wire | Non-mag Radial Wire |

⑥ Rated Voltage

| Code | Rated Voltage(V) | Code | Rated Voltage(V) |
|------|------------------|------|------------------|
| 301 | 300 | 302 | 3000 |
| 501 | 500 | 362 | 3600 |
| 102 | 1000 | 502 | 5000 |
| 152 | 1500 | 802 | 8000 |
| 202 | 2000 | 103 | 10000 |
| 252 | 2500 | | |

⑦ Laser Marking

X denotes Marking. Capacitance is less than 10pF; for example: the marking of 1.0pF is 1R0.

Capacitance is greater than 10pF; for example: the marking of 100pF is 101.

⑧ Packaging Type

| | 70F | 70G | 70L |
|--------------------------|-------------------|-----|-----|
| C: Waffle Tray packaging | ✓ | ✓ | ✓ |
| I: Special packaging | Consult with Kete | | |

◆ Performance Requirements

Capacitors are designed and manufactured to meet the requirements of MIL-PRF-55681 and MIL-PRF-123.