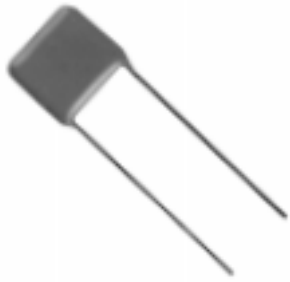


Type M60 Y5U Multilayer Ceramic Capacitors

Radial Leaded Noise Suppressor



The Type M60 conformally coated radial leaded multilayer ceramic capacitor is constructed with a general purpose Y5U material that has a maximum operating temperature from -55 °C to +125 °C. It is excellent for noise suppression in automotive applications.

Highlights

- Conformally coated, radial leaded
- Ultra high insulation resistance
- Ultra High withstand voltage
- Excellent for noise suppression
- Great for automotive ignition noise suppression

Specifications

RoHS Compliant

| | |
|-------------------------------------------------------|--------------------------------------------------|
| Capacitance Range: | 0.1 µF to 100 µF |
| Voltage Range: | 25, 50, 100, 250 WVdc |
| Capacitance Tolerance: | ±20% |
| Temperature Coefficient: | Y5U |
| Maximum Operating Temperature: | -55 °C to +125 °C |
| Dissipation Factor: | 2.5% |
| Insulation Resistance: | ≥1000 Ω x µF or 10,000 MΩ whichever is less |
| Withstand Voltage: | 250% of rated voltage is applied for 1 to 5 sec. |
| Available in Tape and Ammo Pack Configuration: | Add 'TA' to end of catalog part number |
| Maximum Ripple Current: | |

| | | | | | | | |
|--------|------|------|------|------|------|------|------|
| Length | .200 | .248 | .295 | .394 | .531 | .886 | 1.12 |
| Arms | 0.3 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 |

Ratings

| Catalog Part Number | Cap µF | Vdc | Temp. Coeff. | Size (Inches) | | | | |
|---------------------|--------|-----|--------------|---------------|------|------|------|------|
| | | | | L | H | T | S | d |
| M60UR68M25-F | .68 | 25 | Y5U | .200 | .177 | .138 | .197 | .020 |
| M60U1M25-F | 1.0 | 25 | Y5U | .200 | .177 | .138 | .197 | .020 |
| M60U1R5M25-F | 1.5 | 25 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60U2R2M25-F | 2.2 | 25 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60U3R3M25-F | 3.3 | 25 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U4R7M25-F | 4.7 | 25 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U6R8M25-F | 6.8 | 25 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U10M25-F | 10 | 25 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U15M25-F | 15 | 25 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U22M25-F | 22 | 25 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U33M25-F | 33 | 25 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U47M25-F | 47 | 25 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U68M25-F | 68 | 25 | Y5U | 1.120 | .689 | .335 | .984 | .031 |
| M60U100M25-F | 100 | 25 | Y5U | 1.120 | .689 | .335 | .984 | .031 |
| M60UR10M50-F | .10 | 50 | Y5U | .200 | .177 | .138 | .197 | .020 |
| M60UR47M50-F | .47 | 50 | Y5U | .200 | .177 | .138 | .197 | .050 |
| M60UR68M50-F | .68 | 50 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60U1M50-F | 1.0 | 50 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60U1R5M50-F | 1.5 | 50 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U3R3M50-F | 3.3 | 50 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U4R7M50-F | 4.7 | 50 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U6R8M50-F | 6.8 | 50 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U10M50-F | 10 | 50 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U15M50-F | 15 | 50 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U22M50-F | 22 | 50 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U33M50-F | 33 | 50 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U47M50-F | 47 | 50 | Y5U | 1.120 | .689 | .335 | .984 | .031 |
| M60U68M50-F | 68 | 50 | Y5U | 1.120 | .689 | .335 | .984 | .031 |

| Catalog Part Number | Cap µF | Vdc | Temp. Coeff. | Size (Inches) | | | | |
|---------------------|--------|-----|--------------|---------------|------|------|------|------|
| | | | | L | H | T | S | d |
| M60UR10M100-F | .10 | 100 | Y5U | .200 | .177 | .138 | .197 | .020 |
| M60UR15M100-F | .15 | 100 | Y5U | .200 | .177 | .138 | .197 | .020 |
| M60UR22M100-F | .22 | 100 | Y5U | .200 | .177 | .138 | .197 | .020 |
| M60UR33M100-F | .33 | 100 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60UR47M100-F | .47 | 100 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60UR68M100-F | .68 | 100 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U1M100-F | 1.0 | 100 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U1R5M100-F | 1.5 | 100 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60U2R2M100-F | 2.2 | 100 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U3R3M100-F | 3.3 | 100 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U4R7M100-F | 4.7 | 100 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U6R8M100-F | 6.8 | 100 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U10M100-F | 10 | 100 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U15M100-F | 15 | 100 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U22M100-F | 22 | 100 | Y5U | 1.120 | .689 | .335 | .984 | .031 |
| M60U33M100-F | 33 | 100 | Y5U | 1.120 | .689 | .335 | .984 | .031 |
| M60UR10M250-F | .10 | 250 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60UR15M250-F | .15 | 250 | Y5U | .248 | .197 | .157 | .197 | .020 |
| M60UR22M250-F | .22 | 250 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60UR33M250-F | .33 | 250 | Y5U | .295 | .295 | .157 | .197 | .020 |
| M60UR47M250-F | .47 | 250 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60UR68M250-F | .68 | 250 | Y5U | .394 | .394 | .197 | .197 | .020 |
| M60U1M250-F | 1.0 | 250 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U1R5M250-F | 1.5 | 250 | Y5U | .531 | .531 | .216 | .394 | .024 |
| M60U2R2M250-F | 2.2 | 250 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U3R3M250-F | 3.3 | 250 | Y5U | .866 | .689 | .335 | .787 | .031 |
| M60U4R7M250-F | 4.7 | 250 | Y5U | 1.120 | .689 | .335 | .984 | .031 |
| M60U6R8M250-F | 6.8 | 250 | Y5U | 1.120 | .689 | .335 | .984 | .031 |

| 'TA' Ammo Pack, Full Boxes Only Not available in larger sizes | Length | Qty Per Box |
|------------------------------------------------------------------|--------|-------------|
| | .200 | 2,000 |
| | .248 | 2,000 |
| | .394 | 1,500 |

Type M60 Y5U Multilayer Ceramic Capacitors

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