

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 $-55\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$. 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: $\pm 20\%$

Temperature Coefficient: Y5U

Maximum Operating Temperature: $-55\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$

Dissipation Factor: 2.5%

Insulation Resistance: $\geq 1000\ \Omega \times \mu\text{F}$ or 10,000 M Ω 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