

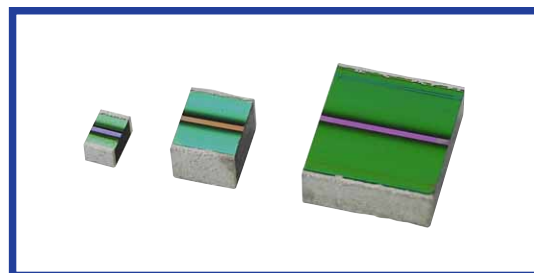
MU SERIES

NEW

Capacitors for audio equipment

◆FEATURES

- Best suited for audio equipment.
- Surface-mounted device.
- Lead free reflow soldering is available.
- Flow soldering is available.
- RoHS compliance.



◆CAUTION

MU series shall be used in reflow , flow method. Do not use in dipping, and VPS soldering method.
Please storage in moisture proof bag with dry silica-gel after opening the moisture proof bag. Please ask for detail.

◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-40~+105°C	
Rated Voltage Range	16~63V.DC	100V.DC
Capacitance Range	0.001~22μF (102~226) E6 series	0.001~0.1μF (102~104) E6 series
Capacitance Tolerance	±10% (K), ±20% (M)	
Dissipation Factor (tanδ)	1.5% or less (1kHz±20%, 5Vrms or less)	
Voltage Proof	Nothing abnormal shall be found, when applying 150% of the rated voltage for 1 minute or 175% of the rated voltage for 1 second to 5 seconds.	
Insulation Resistance	C≤0.1μF:3000MΩ or more (After 1 minute application of rated voltage) C>0.1μF:300MΩ·μF or more (After 1 minute application of rated voltage)	1000MΩ or more (After 1 minute application of rated voltage)

◆PART NUMBER

Rated Voltage		Series	Capacitance		Capacitance Tolerance	Option	TP code	Chip Size	
Code	Rated Voltage		Code	Capacitance	Code	Tolerance		Code	Chip Size
16	16V.DC		153	0.015μF	K	±10%		2012	2.0×1.25mm
25	25V.DC		224	0.22μF	M	±20%		3216	3.2×1.6mm
35	35V.DC		684	0.68μF				3225	3.2×2.5mm
50	50V.DC		335	3.3μF				4532	4.5×3.2mm
63	63V.DC		106	10μF				5750	5.7×5.0mm
100	100V.DC		226	22μF					

◆STANDARD SIZE (L±0.3×W±0.3×H±0.2)

□:Tolerance

Rated Voltage (V.DC)	Capacitance (μF)	Size			Part No.
		L (mm)	W (mm)	H (mm)	
16	0.15	2.0	1.25	0.8	16MU154□Z12012
	0.22	2.0	1.25	1.0	16MU224□Z22012
	1.0	3.2	1.6	1.4	16MU105□A23216
	1.5	3.2	1.6	1.4	16MU155□A23216
	2.2	3.2	2.5	1.8	16MU225□B23225
	3.3	3.2	2.5	2.0	16MU335□B33225
	4.7	4.5	3.2	1.4	16MU475□C14532
	6.8	4.5	3.2	1.8	16MU685□C24532
	10	4.5	3.2	2.6	16MU106□C44532
	15	5.7	5.0	1.8	16MU156□D15750
	22	5.7	5.0	2.6	16MU226□D35750
25	0.10	2.0	1.25	0.8	25MU104□Z12012
	0.15	2.0	1.25	1.0	25MU154□Z22012
	0.68	3.2	1.6	1.4	25MU684□A23216
	1.0	3.2	1.6	1.4	25MU105□A23216
	1.5	3.2	2.5	2.0	25MU155□B33225
	2.2	3.2	2.5	1.8	25MU225□B23225
	3.3	4.5	3.2	1.4	25MU335□C14532
	4.7	4.5	3.2	1.8	25MU475□C24532
	6.8	4.5	3.2	2.6	25MU685□C44532
	10	5.7	5.0	1.8	25MU106□D15750
	15	5.7	5.0	2.6	25MU156□D35750
35	0.047	2.0	1.25	0.8	35MU473□Z12012
	0.068	2.0	1.25	0.8	35MU683□Z12012
	0.10	2.0	1.25	1.0	35MU104□Z22012
	0.47	3.2	1.6	1.0	35MU474□A13216
	0.68	3.2	1.6	1.4	35MU684□A23216
	1.0	3.2	2.5	1.4	35MU105□B13225
	1.5	3.2	2.5	2.0	35MU155□B33225
	2.2	4.5	3.2	1.4	35MU225□C14532
	3.3	4.5	3.2	1.8	35MU335□C24532
	4.7	4.5	3.2	2.6	35MU475□C44532
	6.8	5.7	5.0	1.8	35MU685□D15750
	10	5.7	5.0	2.6	35MU106□D35750
50	0.033	2.0	1.25	0.8	50MU333□Z12012
	0.047	2.0	1.25	1.0	50MU473□Z22012
	0.10	3.2	1.6	1.0	50MU104□A13216
	0.22	3.2	1.6	1.0	50MU224□A13216
	0.33	3.2	1.6	1.4	50MU334□A23216
	0.47	3.2	2.5	1.4	50MU474□B13225
	0.68	3.2	2.5	1.8	50MU684□B23225
	1.0	4.5	3.2	1.4	50MU105□C14532
	1.5	4.5	3.2	1.8	50MU155□C24532
	2.2	4.5	3.2	2.6	50MU225□C44532
	3.3	5.7	5.0	1.8	50MU335□D15750
	4.7	5.7	5.0	2.6	50MU475□D35750

Rated Voltage (V.DC)	Capacitance (μF)	Size			Part No.
		L (mm)	W (mm)	H (mm)	
63	0.0010	2.0	1.25	0.8	63MU102□Z12012
	0.0015	2.0	1.25	0.8	63MU152□Z12012
	0.0022	2.0	1.25	0.8	63MU222□Z12012
	0.0033	2.0	1.25	0.8	63MU332□Z12012
	0.0047	2.0	1.25	0.8	63MU472□Z12012
	0.0068	2.0	1.25	0.8	63MU682□Z12012
	0.010	2.0	1.25	0.8	63MU103□Z12012
	0.015	2.0	1.25	0.8	63MU153□Z12012
	0.022	2.0	1.25	0.8	63MU223□Z12012
	0.033	2.0	1.25	1.0	63MU333□Z22012
	0.047	3.2	1.6	1.0	63MU473□A13216
	0.068	3.2	1.6	1.0	63MU683□A13216
	0.10	3.2	1.6	1.0	63MU104□A13216
	0.15	3.2	1.6	1.0	63MU154□A13216
	0.22	3.2	1.6	1.4	63MU224□A23216
	0.33	3.2	2.5	1.4	63MU334□B13225
	0.47	3.2	2.5	1.8	63MU474□B23225
	0.68	4.5	3.2	1.4	63MU684□C14532
	1.0	4.5	3.2	1.8	63MU105□C24532
	1.5	4.5	3.2	2.6	63MU155□C44532
100	0.0010	3.2	1.6	1.0	100MU102□A13216
	0.0015	3.2	1.6	1.0	100MU152□A13216
	0.0022	3.2	1.6	1.0	100MU222□A13216
	0.0033	3.2	1.6	1.0	100MU332□A13216
	0.0047	3.2	1.6	1.0	100MU472□A13216
	0.0068	3.2	1.6	1.0	100MU682□A13216
	0.010	3.2	1.6	1.0	100MU103□A13216
	0.015	3.2	1.6	1.0	100MU153□A13216
	0.022	3.2	1.6	1.0	100MU223□A13216
	0.033	3.2	1.6	1.0	100MU333□A13216
	0.047	3.2	1.6	1.4	100MU473□A23216
	0.068	3.2	2.5	1.4	100MU683□B13225
	0.10	3.2	2.5	1.8	100MU104□B23225

Size Code Conversion

mm	inch
2012	0805
3216	1206
3225	1210
4532	1812
5750	2220

◆DIMENSIONS

(mm)

