Electrical Characteristics Zinc Oxide Varistors

for ESD protection - C series

Part No.	Working Voltage (Vw)	Clamping Voltage (Vc)	ESD Withstanding	Capacitance (C)		Capacitance Tolerance
	Volts	Volts	Times	pF		%
	<15 μA	1A,8/20 μs	8KV *	1kHz	1MHz	
0402						
JMV0402C050T4R7	5.0	50.0	＞1000	-	4.7	-20% ~ +80%
JMV0402C050T100	5.0	50.0	＞1000	-	10	±20%
JMV0402C050T120	5.0	50.0	＞1000	-	12	±20%
JMV0402C050T150	5.0	50.0	＞1000	-	15	±20%
JMV0402C050T180	5.0	50.0	＞1000	-	18	±20%
JMV0402C050T220	5.0	50.0	＞1000	-	22	±20%
JMV0402C050T270	5.0	50.0	＞1000	-	27	±20%
JMV0402C050T330	5.0	50.0	＞1000	-	33	±20%
JMV0402C050T390	5.0	50.0	＞1000	-	39	±20%
JMV0402C050T470	5.0	50.0	＞1000	-	47	±20%
JMV0402C050T560	5.0	50.0	＞1000	-	56	±20%
JMV0402C050T680	5.0	50.0	＞1000	-	68	±20%
JMV0402C050T820	5.0	50.0	＞1000	-	82	±20%
JMV0402C050T101	5.0	30.0	＞1000	100	-	±20%
JMV0402C050T121	5.0	30.0	＞1000	120	-	±20%
JMV0402C050T151	5.0	29.0	＞1000	150	-	±20%
JMV0402C050T181	5.0	29.0	＞1000	180	-	±20%
JMV0402C050T221	5.0	27.0	＞1000	220	-	±20%
JMV0402C050T271	5.0	27.0	＞1000	270	-	±20%
JMV0402C050T331	5.0	26.0	＞1000	330	-	±20%
JMV0402C120T4R7	12.0	80.0	＞1000	-	4.7	-20% ~ +80%
JMV0402C120T100	12.0	60.0	＞1000	-	10	±20%
JMV0402C120T220	12.0	50.0	＞1000	-	22	±20%
JMV0402C120T330	12.0	50.0	＞1000	-	33	±20%
JMV0402C120T560	12.0	50.0	＞1000	-	56	±20%
JMV0402C120T820	12.0	50.0	＞1000	-	82	±20%
JMV0402C120T101	12.0	50.0	＞1000	100	-	±20%
JMV0402C240T3R3	24.0	200.0	＞1000	-	3.3	-20% ~ +80%
JMV0402C240T4R7	24.0	130.0	＞1000	-	4.7	-20% ~ +80%

* - In system ESD withstanding pulse per IEC 61000-4-2,8KV, contact discharge method.

Vw- The max. steady state DC operating voltage of which varistor could maintain also not exceeding 15uA leakage current.

Vc - The peak voltage acrossed the varistor measured at a specified pulse current and waveform.

C - The device capacitance measured with 1.0Vrms, 1KHz / 0.5rms,1 MHz.

MLV Storage condition→ Temperature: ≦30℃/ Humidity :≦60% RH(Moisture Sensitivity Levels: 2a)
MLV Preservation period→ 6 months

for ESD protection - C series

Part No.	Working Voltage (Vw)	Clamping Voltage (Vc)	ESD Withstanding	Capacitance (C)		Capacitance Tolerance
	Volts	Volts	Times	pF		%
	<15 μA	1A,8/20 μs	8KV *	1kHz	1MHz	
0603						
JMV0603C050T4R7	5.0	50.0	＞1000	-	4.7	-20% ~ +80%
JMV0603C050T100	5.0	50.0	＞1000	-	10	±20%
JMV0603C050T120	5.0	50.0	＞1000	-	12	±20%
JMV0603C050T150	5.0	50.0	＞1000	-	15	±20%
JMV0603C050T180	5.0	50.0	＞1000	-	18	±20%
JMV0603C050T220	5.0	50.0	＞1000	-	22	±20%
JMV0603C050T270	5.0	50.0	＞1000	-	27	±20%
JMV0603C050T330	5.0	50.0	＞1000	-	33	±20%
JMV0603C050T390	5.0	50.0	＞1000	-	39	±20%
JMV0603C050T470	5.0	50.0	＞1000	-	47	±20%
JMV0603C050T560	5.0	50.0	＞1000	-	56	±20%
JMV0603C050T680	5.0	50.0	＞1000	-	68	±20%
JMV0603C050T820	5.0	50.0	＞1000	-	82	±20%
JMV0603C050T101	5.0	30.0	＞1000	100	-	±20%
JMV0603C050T151	5.0	29.0	＞1000	150	-	±20%
JMV0603C050T181	5.0	29.0	＞1000	180	-	±20%
JMV0603C050T221	5.0	27.0	＞1000	220	-	±20%
JMV0603C050T271	5.0	27.0	＞1000	270	-	±20%
JMV0603C050T331	5.0	26.0	＞1000	330	-	±20%
JMV0603C050T391	5.0	26.0	＞1000	390	-	±20%
JMV0603C050T471	5.0	26.0	＞1000	470	-	±20%
JMV0603C050T102	5.0	23.0	＞1000	1000	-	±20%
JMV0603C120T4R7	12.0	80.0	＞1000	-	4.7	-20% ~ +80%
JMV0603C120T100	12.0	60.0	＞1000	-	10	±20%
JMV0603C120T220	12.0	50.0	＞1000	-	22	±20%
JMV0603C120T330	12.0	50.0	＞1000	-	33	±20%
JMV0603C120T390	12.0	50.0	＞1000	-	39	±20%
JMV0603C120T470	12.0	50.0	＞1000	-	47	±20%
JMV0603C120T560	12.0	50.0	＞1000	-	56	±20%
JMV0603C120T820	12.0	50.0	＞1000	-	82	±20%
JMV0603C120T101	12.0	50.0	＞1000	100	-	±20%
JMV0603C120T151	12.0	50.0	＞1000	150	-	±20%
JMV0603C120T181	12.0	47.0	＞1000	180	-	±20%
JMV0603C120T331	12.0	46.0	＞1000	330	-	±20%
JMV0603C240T3R3	24.0	200.0	＞1000	-	3.3	-20% ~ +80%

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