

## DEVICE RATINGS AND SPECIFICATIONS

PART NUMBER	Maximum Ratings(125°C)					Specifications(25°C)		
	Maximum Continuous Working Voltage		Maximum Non-Repetitive Surge Current (8/20 μs)	Maximum Non-Repetitive Surge Energy (10/1000 μs)	Maximum Clamping Voltage at Specified Current (8/20 μs)	Nominal Voltage at 1 mA (DC) Test Current		Typical Capacitance @1 MHz
	V <sub>M(DC)</sub>	V <sub>M(AC)</sub>	I <sub>TM</sub>	W <sub>TM</sub>	V <sub>c</sub>	V <sub>N(DC)</sub> min.	V <sub>N(DC)</sub> max.	C
	(V)	(V)	(A)	(J)	(V)	(V)	(V)	(pF)

### Size 0402

JV 02 ML 03 251 PT□	3.3	2.5	6	0.02	12 at 1 A	3.7	7.0	250
JV 02 ML 05 281 PT□	5.5	4	20	0.05	17 at 1 A	7.1	9.8	280
JV 02 ML 09 201 PT□	9	6	20	0.05	26 at 1 A	10.0	14.5	200
JV 02 ML 12 161 PT□	12	9	20	0.05	30 at 1 A	14.0	18.5	160
JV 02 ML 14 141 PT□	14	11	20	0.05	35 at 1 A	16.0	21.0	145
JV 02 ML 18 850 PT□	18	14	20	0.05	42 at 1 A	22.0	28.0	85
JV 02 ML 22 750 PT□	22	17	20	0.05	47 at 1 A	24.3	30.0	75

### Size 0603

JV 03 ML 03 112 PT□	3.3	2.5	30	0.1	12 at 1 A	3.8	7.0	1080
JV 03 ML 05 641 PT□	5.5	4	30	0.1	17 at 1 A	7.1	9.8	640
JV 03 ML 09 301 PT□	9	6	30	0.1	26 at 1 A	10.0	14.5	300
JV 03 ML 12 341 PT□	12	9	30	0.1	30 at 1 A	14.0	18.5	340
JV 03 ML 14 241 PT□	14	11	30	0.1	35 at 1 A	16.0	21.0	240
JV 03 ML 18 221 PT□	18	14	30	0.1	42 at 1 A	22.0	28.0	220
JV 03 ML 22 271 PT□	22	17	30	0.1	47 at 1 A	24.3	30.0	270
JV 03 ML 26 900 PT□	26	20	30	0.1	58 at 1 A	29.5	38.0	90
JV 03 ML 30 111 PT□	30	25	30	0.1	65 at 1 A	35.0	43.0	110

### Size 0805

JV 05 ML 03 302 PT□	3.3	2.5	60	0.3	12 at 1 A	3.8	7.0	3000
JV 05 ML 05 172 PT□	5.5	4	100	0.3	17 at 1 A	7.1	9.8	1700
JV 05 ML 09 971 PT□	9	6	120	0.3	26 at 1 A	10.0	14.5	970
JV 05 ML 12 951 PT□	12	9	120	0.3	30 at 1 A	14.0	18.5	950
JV 05 ML 14 102 PT□	14	11	120	0.3	35 at 1 A	16.0	21.0	1050
JV 05 ML 18 691 PT□	18	14	120	0.3	42 at 1 A	22.0	28.0	690
JV 05 ML 22 621 PT□	22	17	120	0.3	47 at 1 A	24.3	30.0	620
JV 05 ML 26 421 PT□	26	20	120	0.3	58 at 1 A	29.5	38.0	420
JV 05 ML 30 291 PT□	30	25	100	0.3	65 at 1 A	35.0	43.0	290
JV 05 ML 68 850 PT□	68	50	80	0.3	140 at 1 A	74.0	90.0	85

## PRODUCT NUMBER SYSTEM

JV 03 ML 05 641 P T □

1 2 3 4 5 6 7 8

1=Series Code

JV : High Power Series

2=Size code

03 : EIA 0603

3=Type Code

ML : Multilayer

4=Rated Voltage Code

05 : 5 V<sub>M(DC)</sub>

5=Capacitance

641 : 64×10<sup>1</sup> = 640 pF Typical

6=End Termination

P : Nickle/Tin plated

7=Packing Code

T : Tape & Reel

B : Bulk

8=Special Code

## Notes :

- 1、Maximum ESD clamp voltage tested with IEC 61000-4-2 Human Body Model discharge test current and direct discharge to device terminal (IEC preferred test method) .
- 2、Typical leakage current < 5 μA .
- 3、Capacitance may be customized , please contact factory for availability .