

# JVB- MULTILAYER CHIP VARISTOR

## APPLICATION

JVB is widely used in Notebook, PDA, Cellular Phone, MP3, Main board, LCM, HUB, Microphone, Wireless LAN, VOIP, Auto electronic and so on.

## FEATURES

- Fast responsibility
- Low working voltage
- Low capacitance
- Low leakage current
- Low clampin voltage
- Bi-directional
- Suit to reflow soldering ,wave soldering hand solderin.



## How To Order

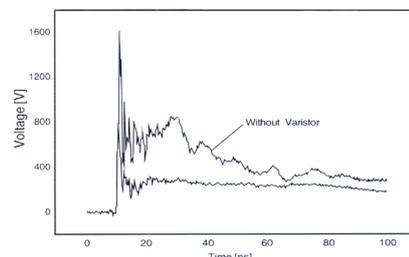
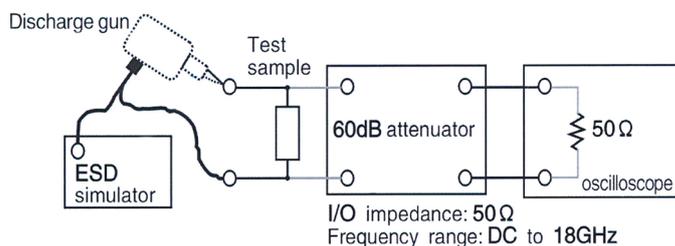
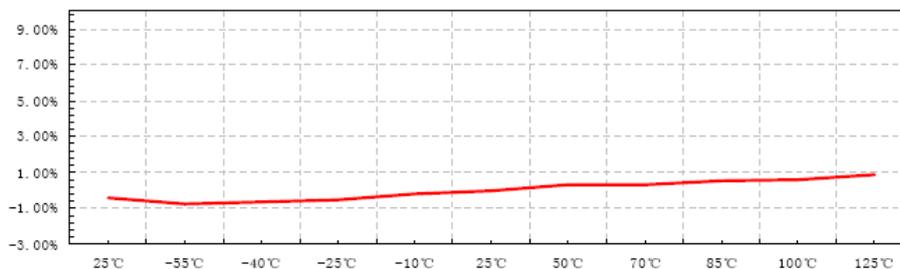
**JVB 0603 G 140 P C T**  
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Series Name
- ② Size Code Inches.
- ③ Series Code  
E:ESD, G:Normal, H:Highpower
- ④ VDC  
140=14V, 5R6=5.6V
- ⑤ Termination  
S=Ag  
P=Ag/Ni/Sn
- ⑥ Nominal Cap  
A:0~5pF, B:5.1~10pF, C:10.1~50pF,  
D:50.1~100pF, E:100.1~500pF,  
F:500.1~1000pF, G:1000.1~1500pF,  
H:1500.1~2000Pf, J:1.5~5pF,  
K:8~11pF, X:no capacitance
- ⑦ Package Style: T=tape C=bulk

## Dimensions (unit: inches)

Size	Length(L)	Width(W)
0603	0.06	0.03
0805	0.08	0.05
1206	0.12	0.06
1210	0.12	0.10
1812	0.18	0.12
2220	0.22	0.2

## Static Discharge Susceptibility of Some Normal Devices



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### Recommend Item for System Data 1/0 Used

Device description	Data Rate & Frequency	Rise time	Capacitance
USB 2.0 Data Port	480M bps	0.5~0.6ns	< 4pF
USB 1.1 Data Port	12M bps	4~20ns	5~10pF
Wireless Device	1.5M bps	75~300ns	5~10pF
RS232, 1rDA1.0	115.0K	1 us~8us	10~100pF
Audio(Microphone/Speaker)	20~20KHz	0.05ms~5ms	10~1000pF

Part No	Working Voltage		Varistor Voltage V1mA(V)		Clamping Voltage VC(V)	Peak Current IP(A)	Transient Energy ET(J)
	VAC	VDC(V)	Min.	Max.	8/20Us	8/20Us	10/1000us
JVB0603E240PAT	18	24.0	100.0	185.0	240.0	1	0.01
JVB0603E5R0PAT	4	5.0	12.0	20.0	38.0	1	0.01
JVB0603G5R6PXT	4	5.6	6.7	10.0	15.5	1	0.01
JVB0805G9R0PXT	6	9.0	10.8	16.2	25.0	40	0.1
JVB0805G180PXT	14	18.0	21.6	32.4	54.0	40	0.1
JVB0805G220PXT	17	22.0	26.4	39.6	65.0	40	0.1
JVB0805G300PXT	25	30.0	36.0	54.0	85.0	40	0.1
JVB1206G5R6PXT	4	5.6	6.4	10.1	15.6	100	1
JVB1206G9R0PXT	6	9.0	10.8	16.2	25.0	100	1
JVB1206G180PXT	14	18.0	21.6	32.4	54.0	100	1
JVB1206G240PXT	18	24.0	28.8	36	67	100	1
JVB1206G300PXT	25	30.0	36.0	54.0	85.0	100	1
JVB1206G560PXT	40	56.0	67.2	100.8	150.0	100	1
JVB1210G5R6PXT	4	5.6	6.4	10.1	15.6	250	1.5
JVB1210G9R0PXT	6	9.0	10.8	16.2	25.0	250	1.5
JVB1210G180PXT	14	18.0	21.6	32.4	54.0	250	1.5
JVB1210G220PXT	17	22.0	26.4	39.6	65.0	250	1.5
JVB1210G300PXT	25	30.0	36.0	54.0	85.0	250	1.5
JVB1210G450PXT	35	45.0	54.0	81.0	125.0	250	1.5
JVB1210G560PXT	50	56.0	67.2	100.8	150.0	250	1.5
JVB1812H180PXT	14	18.0	21.6	32.4	54.0	800	2.3
JVB1812H240PXT	18	24.0	28.8	43.2	67.0	800	2.7
JVB1812H300PXT	25	30.0	36.0	54.0	83.0	800	2.7
JVB1812H480PXT	37	48.0	57.0	86.0	132.0	800	2.7
JVB2220H180PXT	14	18.0	21.6	32.4	54.0	1200	5.8
JVB2220H220PXT	17	22.0	26.4	39.6	65.0	1200	7.8
JVB2220H270PXT	20	27.0	32.4	48.6	75.0	1200	7.8
JVB2220H300PXT	25	30.0	36.0	54.0	85.0	1200	7.8

Note: Please visit our website to get more update data, those data & specification are subject to change without notice.