MULITLAYER CHIP VARISTOR

Suntan®

TSVC



Applications
TSVC 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.

◆ Dimensions (unit: inches)

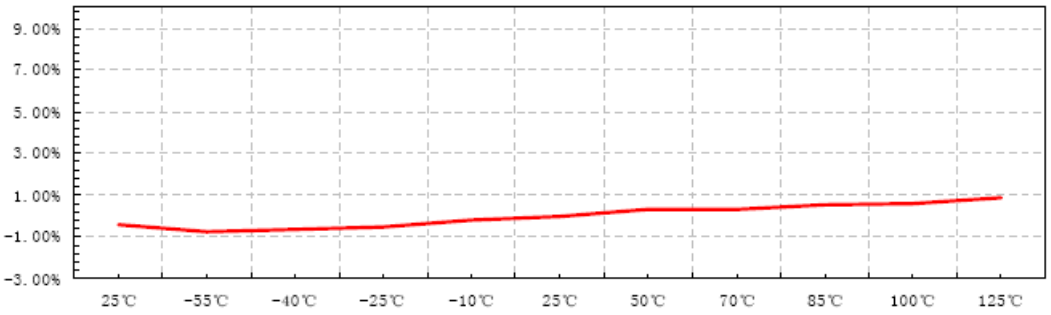
Size	Length(L)	Width(W)
0603	0.06	0.03
0805	0.08	0.05
1206	0.12	0.06
1210	0.12	0.10
1812	0.18	0.12
2220	0.22	0.2

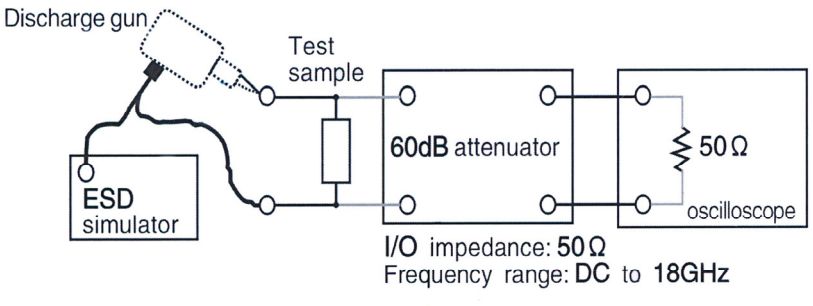
How To Order

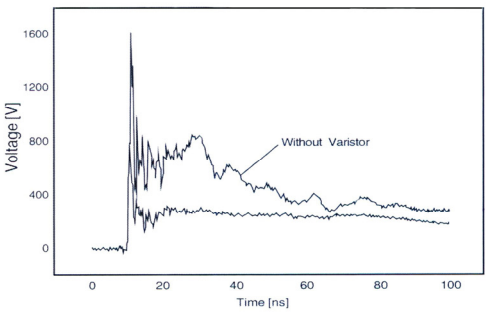
TSVC 0603 G 140 P C T
① ② ③ ④ ⑤ ⑥ ⑦

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

◆ Static Discharge Susceptibility of Some Normal Devices







◆ 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

MULITLAYER CHIP VARISTOR

Suntan®

TSVC



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
TSVC0603E240PAT	18	24.0	100.0	185.0	240.0	1	0.01
TSVC0603E5R0PAT	4	5.0	12.0	20.0	38.0	1	0.01
TSVC0603G5R6PXT	4	5.6	6.7	10.0	15.5	1	0.01
TSVC0805G9R0PXT	6	9.0	10.8	16.2	25.0	40	0.1
TSVC0805G180PXT	14	18.0	21.6	32.4	54.0	40	0.1
TSVC0805G220PXT	17	22.0	26.4	39.6	65.0	40	0.1
TSVC0805G300PXT	25	30.0	36.0	54.0	85.0	40	0.1
TSVC1206G5R6PXT	4	5.6	6.4	10.1	15.6	100	1
TSVC1206G9R0PXT	6	9.0	10.8	16.2	25.0	100	1
TSVC1206G180PXT	14	18.0	21.6	32.4	54.0	100	1
TSVC1206G240PXT	18	24.0	28.8	36	67	100	1
TSVC1206G300PXT	25	30.0	36.0	54.0	85.0	100	1
TSVC1206G560PXT	40	56.0	67.2	100.8	150.0	100	1
TSVC1210G5R6PXT	4	5.6	6.4	10.1	15.6	250	1.5
TSVC1210G9R0PXT	6	9.0	10.8	16.2	25.0	250	1.5
TSVC1210G180PXT	14	18.0	21.6	32.4	54.0	250	1.5
TSVC1210G220PXT	17	22.0	26.4	39.6	65.0	250	1.5
TSVC1210G300PXT	25	30.0	36.0	54.0	85.0	250	1.5
TSVC1210G450PXT	35	45.0	54.0	81.0	125.0	250	1.5
TSVC1210G560PXT	50	56.0	67.2	100.8	150.0	250	1.5
TSVC1812H180PXT	14	18.0	21.6	32.4	54.0	800	2.3
TSVC1812H240PXT	18	24.0	28.8	43.2	67.0	800	2.7
TSVC1812H300PXT	25	30.0	36.0	54.0	83.0	800	2.7
TSVC1812H480PXT	37	48.0	57.0	86.0	132.0	800	2.7
TSVC2220H180PXT	14	18.0	21.6	32.4	54.0	1200	5.8
TSVC2220H220PXT	17	22.0	26.4	39.6	65.0	1200	7.8
TSVC2220H270PXT	20	27.0	32.4	48.6	75.0	1200	7.8
TSVC2220H300PXT	25	30.0	36.0	54.0	85.0	1200	7.8

Note: Specification are subject to change without notice. For more detail and update, please visit our website.

Suntan® Technology Company Limited Website: www.suntan.com.hk Email: info@suntan.com.hk Tel: (852) 8202 8782 Fax: (852) 8208 6246