



Surface Mount Metal Oxide Varistors

NV73 Series Specifications



Part Number Determination

NV73A1JTTE8R2					
NV73	A	1J	T	TE	
TYPE	Energy Code	Size	Termination Material	Packaging	Varistor Voltage
NV73 = Metal Oxide Varistor	A B C	1J=0603 2A=0805 2B=1206	T:Sn	TE: 7" embossed plastic (2,500 pieces/reel)	8R2=8.2V 18=18V "R" indicates decimal on value <10Ω

Electrical Characteristics

Size	Part Designation	Reference Varistor Voltage @ 1mA nom. (Range) Vc	Clamping Voltage Vp	I _p	Max. Peak Current I _p (A) @ 8/20 microsecond (2 pulses)	Maximum Energy E (J)	Capacitance Typ. C (1K to MHz) (pF)	Maximum Allowable Voltage d.c. (V)	Maximum Allowable Voltage d.c. (V)	Peak Current (8/20μs) A (2 pulses)									
0603	NV73A1JTTE8R2	8.2 (6.8-9.8)	21	2A	30	0.1	370	4.2	6.0	30									
	NV73A1JTTE12	12 (10-14.4)	29																
	NV73A1JTTE15	15 (12.5-18)	35																
	NV73A1JTTE18	18 (16-20)	37																
	NV73A1JTTE20	20 (18-22)	40																
	NV73A1JTTE22	22 (19-24)	42																
	NV73A1JTTE24	24 (21.8-26.5)	46																
	NV73A1JTTE27	27 (25-32)	49																
0805	NV73A2ATTE8R2	8.2 (6.8-9.8)	16	1A	20	0.01	400 - 80	4.2	6.0	10/20/25									
	NV73A2ATTE12	12 (10-14.4)	22								0.03								
	NV73A2ATTE15	15 (12.5-18)	27								0.04								
	NV73A2ATTE18	18 (16-20)	29								0.05								
	NV73A2ATTE20	20 (18-22)	33																
	NV73A2ATTE22	22 (19-24)	39																
	NV73A2ATTE24	24 (21.8-26.5)	42																
	NV73A2ATTE27	27 (25-32)	50								0.06								
	NV73A2ATTE33	33 (30-39)	60								0.07								
	NV73A2ATTE39	39 (37-47)	72								0.12								
	NV73A2ATTE47	47 (45-54)	86								0.14								
	0805	NV73B2ATTE8R2	8.2 (6.8-9.8)								18	2A	35	0.03	1000 - 200	4.2	6.0	20/35/50	
		NV73B2ATTE12	12 (10-14.4)								22								0.05
		NV73B2ATTE15	15 (12.5-18)								30								0.07
NV73B2ATTE18		18 (16-20)	32	0.08															
NV73B2ATTE20		20 (18-22)	36	0.09															
NV73B2ATTE22		22 (19-24)	40	0.11															
NV73B2ATTE24		24 (21.8-26.5)	42	0.12															
NV73B2ATTE27		27 (25-32)	58	0.24															
NV73B2ATTE33		33 (30-39)	66	0.25															

(specifications continued on following pages)



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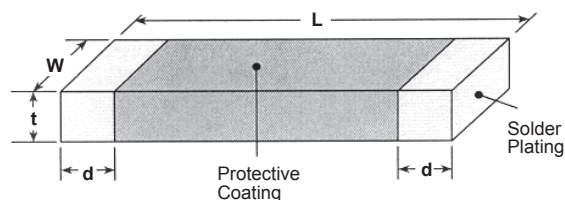


Electrical Characteristics

Size	Part Designation	Reference Varistor Voltage @ 1mA nom. (Range) V _c	Clamping Voltage V _p	I _p	Max. Peak Current I _p (A) @ 8/20 microsecond (2 pulses)	Maximum Energy E (J)	Capacitance Typ. C (1K to MHz) (pF)	Maximum Allowable Voltage d.c. (V)	Maximum Allowable Voltage d.c. (V)	Peak Current (8/20μs) A (2 pulses)				
0805	NV73C2ATTE8R2	8.2 (6.8-9.8)	16	2A	50	0.04	1000 - 300	4.2	6.0	25/50				
	NV73C2ATTE12	12 (10-14.4)	22			0.09		6.1	8.6					
	NV73C2ATTE15	15 (12.5-18)	28			0.11		7.6	10.8					
	NV73C2ATTE18	18 (16-20)	32			0.13		9.1	12.8					
	NV73C2ATTE20	20 (18-22)	35			0.14		10.6	15.0					
	NV73C2ATTE22	22 (19-24)	40			0.17		12.0	16.5					
	NV73C2ATTE24	24 (21.8-26.5)	42			0.18		14.0	18.0					
1206	NV73A2BTTE27	27 (25-32)	55	2A	40	0.13	500 - 100	17.0	22.0	40				
	NV73A2BTTE33	33 (30-39)	60			0.15		20.0	26.0					
	NV73A2BTTE39	39 (37-47)	72			0.18		25.0	31.0					
	NV73A2BTTE47	47 (45-54)	85			0.22		30.0	38.0					
	NV73A2BTTE56	56 (52-62)	100			0.26		35.0	45.0					
1206	NV73B2BTTE8R2	8.2 (6.8-9.8)	16	2A	50	0.03	1000 - 300	4.2	6.0	30/50				
	NV73B2BTTE12	12 (10-14.4)	22			0.07		6.1	8.6					
	NV73B2BTTE15	15 (12.5-18)	28			0.09		7.6	10.8					
	NV73B2BTTE18	18 (16-20)	32			0.1		9.1	12.8					
	NV73B2BTTE20	20 (18-22)	35			0.11		10.6	15.0					
	NV73B2BTTE22	22 (19-24)	40			0.12		12.0	16.5					
	NV73B2BTTE24	24 (21.8-26.5)	42			0.14		14.0	18.0					
	NV73B2BTTE27	27 (25-32)	52			0.16		17.0	22.0					
	NV73C2BTTE8R2	8.2 (6.8-9.8)	15			2A		70	0.06		2000 - 500	4.2	6.0	40/70
	NV73C2BTTE12	12 (10-14.4)	21						0.1			6.1	8.6	
	NV73C2BTTE15	15 (12.5-18)	27						0.13			7.6	10.8	
NV73C2BTTE18	18 (16-20)	29	0.15	9.1	12.8									
NV73C2BTTE20	20 (18-22)	31	0.17	10.6	15.0									
NV73C2BTTE22	22 (19-24)	35	0.19	12.0	16.5									
NV73C2BTTE24	24 (21.8-26.5)	38	0.2	14.0	18.0									
NV73C2BTTE27	27 (25-32)	48	0.24	17.0	22.0									

Package Dimensions in(mm)

Series	L	W	t	d
1J (0603)	0.063±0.006 (1.6±0.15)	0.031±0.006 (0.8±0.15)	0.031±0.006 (0.8±0.15)	0.016 ^{+0.006} _{-0.008} (0.40 ^{+0.150} _{-0.200})
2A (0805)	0.079±0.008 (2.0±0.2)	0.049±0.008 (1.25±0.2)	0.051 max. (1.3 max)	0.02±0.010 (0.5±0.25)
2B (1206)	0.126±0.008 (3.2±0.2)	0.063±0.008 (1.6±0.2)	0.065 max. (1.65 max)	0.02 ^{+0.014} _{-0.010} (0.50 ^{+0.350} _{-0.250})



Special order item, 1,000 piece minimum buy