


RATING AND CHARACTERISTICS

φ 5 mm

Part Number	Varistor Voltage V@0.1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage	Withstanding Surge Current (8/20 μs)		Rated Wattage (W)	Energy (10/1000 μs) (J)	Certification 
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@5A (V)	1 Time (A)	2 Times (A)			
JVR05N180M65□△△	18	± 20%	11	14	• ¹⁾ 40	100	50	0.01	0.6	☆ ☆
JVR05N220L65□△△	22	± 15%	14	18	• 48				0.7	☆ ☆
JVR05N270K65□△△	27	± 10%	17	22	• 60				0.9	☆ ☆
JVR05N330K65□△△	33		20	26	• 73				1.1	☆ ☆
JVR05N390K65□△△	39		25	31	• 86				1.2	☆ ☆
JVR05N470K65□△△	47		30	38	• 104				1.5	☆ ☆
JVR05N560K65□△△	56		35	45	• 123				1.8	☆ ☆
JVR05N680K65□△△	68		40	56	• 150				2.1	☆ ☆
JVR05N820K65□△△	82		50	65	145	2.8	☆ ☆			
JVR05N101K65□△△	100		60	85	175	3.5	☆ ☆			
JVR05N121K65□△△	120		75	100	210	4.0	☆ ☆			
JVR05N151K65□△△	150		95	125	260	5.5	☆ ☆			
JVR05N181K65□△△	180	115	150	320	6.5	☆ ☆				
JVR05N201K65□△△	200	130	170	355	7.1	⊛ ☆ ☆ ☆				
JVR05N221K65□△△	220	140	180	380	7.8	⊛ ☆ ☆ ☆				
JVR05N241K65□△△	240	150	200	415	8.4	⊛ ☆ ☆ ☆				
JVR05N271K65□△△	270	175	225	475	9.9	⊛ ☆ ☆ ☆				
JVR05N301K65□△△	300	195	250	525	10.5	⊛ ☆ ☆ ☆				
JVR05N331K65□△△	330	210	275	575	11.5	⊛ ☆ ☆ ☆				
JVR05N361K65□△△	360	230	300	620	13.0	⊛ ☆ ☆ ☆				
JVR05N391K65□△△	390	250	320	675	15.0	⊛ ☆ ☆ ☆				
JVR05N431K65□△△	430	275	350	745	16.5	⊛ ☆ ☆ ☆				
JVR05N471K65□△△	470	300	385	810	17.5	⊛ ☆ ☆ ☆				
JVR05N511K65□△△	510	320	418	880	18.5	⊛ ☆ ☆ ☆				
JVR05N561K65□△△	560	350	460	940	19.5	⊛ ☆ ☆ ☆				
JVR05N621K65□△△	620	385	505	1050	20.5	⊛ ☆ ☆ ☆				
JVR05N681K65□△△	680	420	560	1150	21.5	⊛ ☆ ☆ ☆				
JVR05N751K65□△△	750	460	615	1290	22.5	⊛ ☆ ☆ ☆				

1) The clamping voltage from 180M to 680K are tested with current 1A.

□ : Lead Style (please refer to page 11)

Y: vertical kink (standard)

P: straight leads

△ △ : Lead Length / Packing Method (Please refer to page 10 for the detail codes)

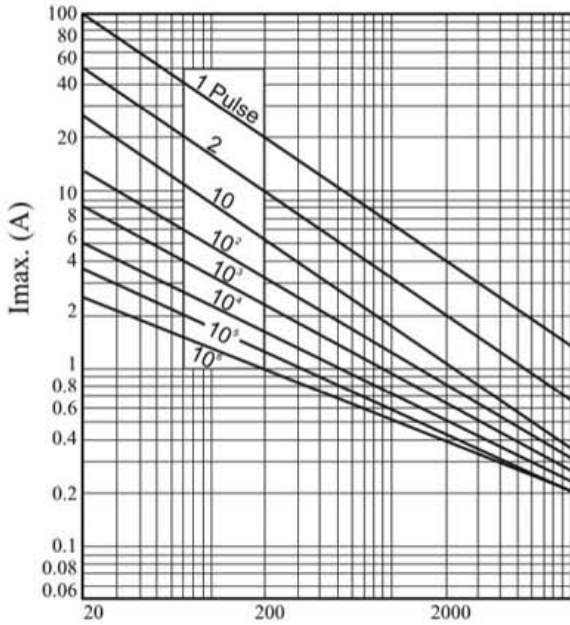
Application Notes for UL , CSA and VDE Recognized Components Related Standards

Standard No.	UL1414	UL1449(2nd Edition)	CSA	VDE
Title	Across-The-Line Components	Transient Voltage Surge Suppressors	Accessories and parts for electronic products	Varistors for use in electronic equipment
File No.	E154922	E153360	LR101867-1/-8/-15	19006-4790-0002
Symbols	⊛	☆	★	★

PULSE LIFETIME RATINGS - 5 φ

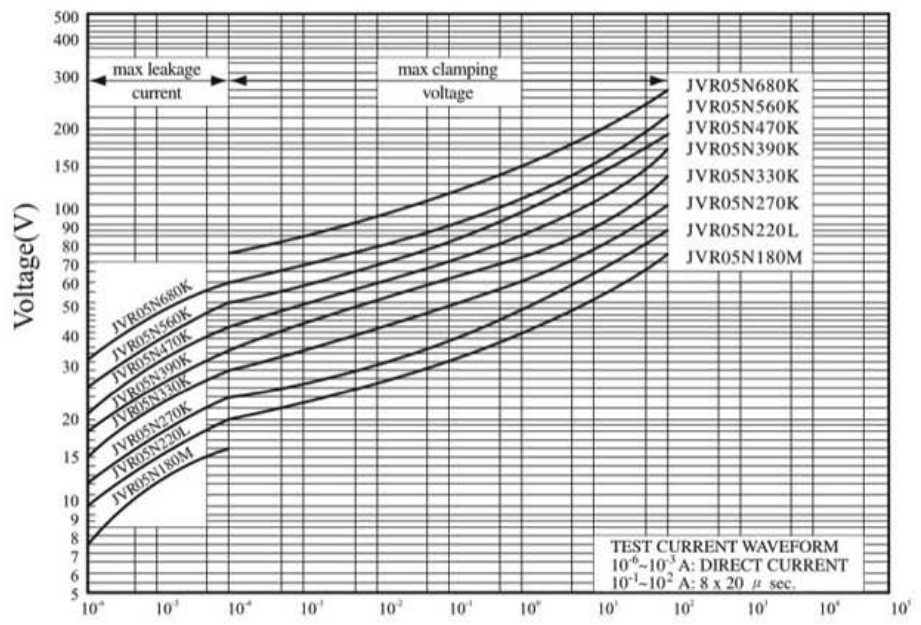
V-I CHARACTERISTIC CURVE - 5 φ

JVR05N180M~JVR05N680K



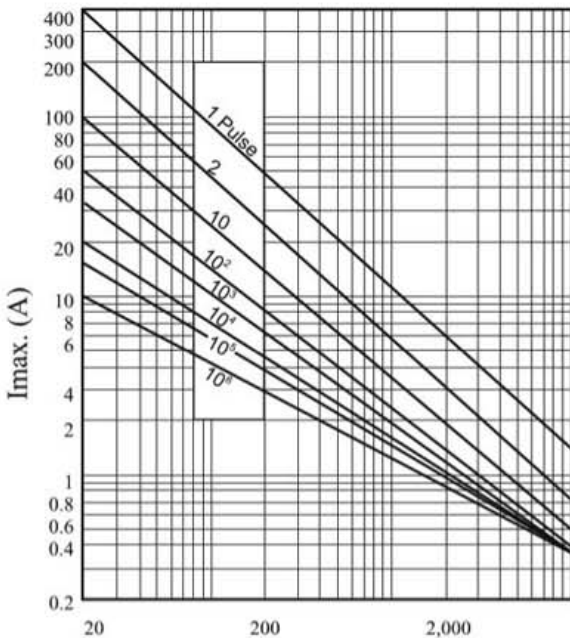
Rectangular Wave (μ sec.)

JVR05N180M~JVR05N680K



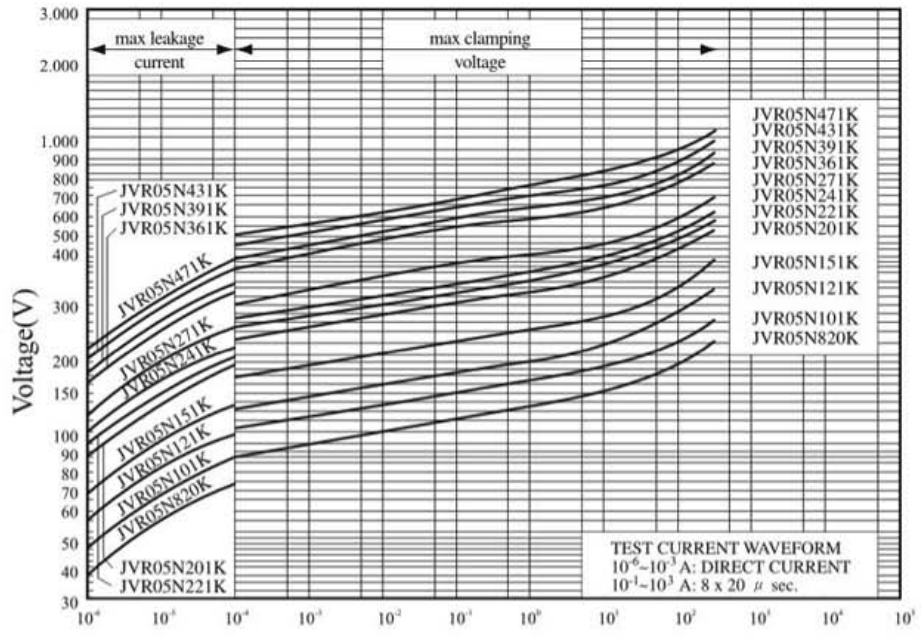
Current(A)

JVR05N820K~JVR05N751K



Rectangular Wave (μ sec.)

JVR05N820K~JVR05N471K



Current(A)