

## Style Designation: (typical)

R6921ZOV511RA110 Where:

- R - Coating identification, R means standard flame-retardant fluid bed epoxy.
- 69 - Size code, 2 numbers. See Dimensions Table.
- 21 - Lead Configuration code, 1 or 2 numbers used only for non-standard leads. Standard leads per tables use no code.
- ZOV - Material identifier, ZOV = zinc oxide varistor.
- 511 - AC Voltage Rating code, 2 significant figures plus number of zeroes that follow, i.g. 511 is 510 VAC.
- RA - Special Instructions code, RA is standard.
- 110 - Energy Rating code, up to 3 numbers. See Ratings Tables.

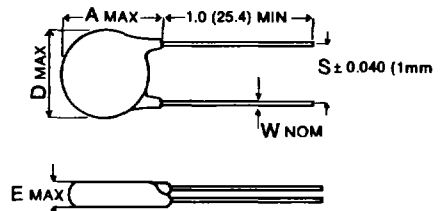
## Standard Marking:

Minimum marking information shall consist of an abbreviated style designation and, when space is available, the manufacturer's initials "MDC".

For instance, MDC Z511 110 UL

WHERE:

- Z - Represents "ZOV"
- 511 - AC voltage rating code
- 110 - Energy rating code
- UL - UL recognition if applicable



## Standard Dimensions: inches (mm)

Size Code	A	D	S	W	E				
					50-95VAC	120-180VAC	230-320VAC	420-580VAC	620-1330VAC
R58	.394 (10)	.276 (7)	.197 (5)	.025 (.63)	.197 (5)	.236 (6)	.264 (6.7)	NA	NA
R73	.472 (12)	.354 (9)	.197 (5)	.025 (.63)	.197 (5)	.236 (6)	.276 (7)	.385 (9.8)	NA
R68	.512 (13)	.394 (10)	.197 (5)	.025 (.63)	NA	.236 (6)	.276 (7)	NA	NA
R61	.590 (15)	.472 (12)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	NA
R71	.650 (16.5)	.531 (13.5)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	NA	NA	NA
R62	.710 (18)	.590 (15)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	NA
R69	.770 (19.5)	.650 (16.5)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	.472 (12)
R64	.827 (21)	.710 (18)	.296 (7.5)	.032 (.81)	NA	.236 (6)	NA	NA	NA
R63	.905 (23)	.787 (20)	.296 (7.5)	.032 (.81)	NA	.236 (6)	.276 (7)	.354 (9)	.472 (12)
R65	1.020 (26)	.905 (23)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	.472 (12)

NA - Not available as standard size

Series	Pm-watts	Series	Pm-watts
R58	0.15	R62	0.5
R73	0.25	R69	0.6
R68	0.3	R64	0.6
R61	0.4	R63	0.8
R71	0.45	R65	1.0

## ZOV Ratings: R58 Series (5mm) & R73 Series (7mm)

Safety Approvals	Part Number	Maximum Ratings			Electrical Characteristics					
		Continuous		Transient	Varistor Voltage		Max Clamping Voltage		Cap Value 1KHz @ 25 °C	
		Applicable Voltage	Energy	Peak Current	Min	Max	@ Test Current	Value		
		(AC)	(DC)	Joules	(8 x 20µs)	Volts	Volts	(8 x 20µs)	pF	
	R58ZOV110RA00	11	14	0.3	100	16	20	40	1	1800
	R58ZOV140RA00	14	18	0.4	100	20	24	48	1	1300
	R58ZOV170RA00	17	22	0.5	100	24	30	60	1	1050
	R58ZOV200RA00	20	26	0.6	100	30	36	73	1	900
	R58ZOV250RA01	25	31	0.8	100	35	43	86	1	500
	R58ZOV300RA01	30	38	1.0	100	42	52	104	1	450
	R58ZOV350RA01	35	45	1.0	100	50	62	123	1	400
	R58ZOV400RA01	40	56	1.2	100	61	75	150	1	350
	R58ZOV450RA01	50	66	2.0	400	74	90	165	5	250
	R58ZOV500RA01	50	85	2.0	400	90	110	175	5	200
	R58ZOV750RA01	75	102	2.5	400	108	132	245	5	170
	R58ZOV950RA01	95	127	3.0	400	135	165	300	5	140
	R73ZOV120RA02	120	160	3.5	400	170	207	350	5	100
	R73ZOV130RA02	130	175	4.0	400	184	224	380	5	80
	R73ZOV140RA02	140	180	4.5	400	198	242	410	5	70
	R73ZOV150RA02	150	200	5.0	400	212	259	430	5	70
	R73ZOV160RA02	160	230	6.0	400	255	311	510	5	65
	R73ZOV180RA02	180	230	7.5	400	326	397	620	5	50
	R73ZOV210RA02	210	320	8.0	400	354	432	715	5	50
	R73ZOV230RA02	270	350	9.0	400	382	466	745	5	45
	R73ZOV300RA02	300	385	10.0	400	425	518	810	5	40

## ZOV Ratings: R68 Series (8mm) & R61 Series (10mm)

Safety Approvals	Part Number	Maximum Ratings			Electrical Characteristics					
		Continuous		Transient	Varistor Voltage		Max Clamping Voltage		Cap Value 1KHz @ 25 °C	
		Applicable Voltage	Energy	Peak Current	Min	Max	@ Test Current	Value		
		(AC)	(DC)	Joules	(8 x 20µs)	Volts	Volts	(8 x 20µs)	pF	
	R68ZOV120RA03	120	160	10.0	1200	170	207	320	10	300
	R68ZOV130RA03	130	175	11.0	1200	184	224	340	10	250
	R68ZOV140RA03	140	180	12.0	1200	198	242	360	10	230
	R68ZOV150RA03	150	200	13.0	1200	212	259	395	10	220
	R68ZOV180RA03	180	230	15.0	1200	255	311	470	10	180
	R68ZOV230RA03	230	300	20.0	1200	326	397	595	10	140
	R68ZOV250RA03	250	330	21.0	1200	354	432	650	10	130
	R68ZOV270RA03	270	360	23.0	1200	382	466	710	10	120
	R68ZOV300RA03	300	390	25.0	1200	425	518	790	10	110
	R61ZOV110RA02	11	14	1.5	500	16	20	36	5	7500
	R61ZOV120RA02	14	18	2.0	500	20	24	43	5	6000
	R61ZOV130RA02	17	22	2.5	500	24	30	53	5	5000
	R61ZOV140RA02	20	26	3.0	500	30	36	65	5	4000
	R61ZOV150RA02	25	31	3.5	500	35	43	77	5	2600
	R61ZOV160RA02	30	38	4.0	500	42	52	93	5	2200
	R61ZOV180RA02	35	45	5.0	500	50	62	110	5	1800
	R61ZOV200RA02	40	56	6.0	500	61	75	135	5	1600
	R61ZOV230RA02	50	66	7.0	2500	74	90	147	25	1500
	R61ZOV250RA02	60	81	7.0	2500	90	110	175	25	1400
	R61ZOV270RA02	75	102	8.0	2000	108	132	210	25	1100
	R61ZOV300RA02	95	127	10.0	2000	135	165	255	25	900
	R61ZOV350RA02	120	160	13.0	2000	170	207	320	25	560
	R61ZOV400RA02	130	175	14.0	2000	184	224	340	25	500
	R61ZOV450RA02	140	180	16.0	2000	198	242	360	25	450
	R61ZOV500RA02	150	200	17.0	2000	212	259	395	25	400
	R61ZOV550RA02	180	230	20.0	2000	255	311	465	25	350
	R61ZOV600RA02	230	300	35.0	2000	326	397	595	25	300
	R61ZOV650RA02	250	330	40.0	2000	354	432	650	25	270
	R61ZOV700RA02	270	360	43.0	2000	382	466	710	25	250
	R61ZOV750RA02	300	390	45.0	2000	425	518	790	25	230
	R61ZOV800RA02	320	420	45.0	2000	453	553	850	25	200
	R61ZOV850RA02	390	505	45.0	2500	552	674	1025	25	150
	R61ZOV900RA02	420	560	45.0	2500	594	725	1120	25	130
	R61ZOV950RA02	460	615	50.0	2500	651	795	1240	25	120
	R61ZOV1000RA02	480	640	50.0	2000	679	829	1290	25	120
	R61ZOV1100RA02	510	675	55.0	2000	722	881	1350	25	110
	R61ZOV1200RA02	550	700	60.0	2000	778	950	1400	25	100
	R61ZOV1300RA02	580	735	65.0	2000	821	1002	1500	25	95
	R61ZOV1400RA02	620	825	65.0	2500	877	1071	1650	25	90
	R61ZOV1500RA02	680	895	70.0	2500	962	1175	1815	25	80

★ =UL1449 File E86730- Transient Voltage Surge Suppression      ■ =CSA C22.2 File LR33468  
 ▼ =UL1414 File E38785 - Across-The-Line Applications      ◆ =VDE/CECC 42000/42201 File 58819

## ZOV Ratings: R71 Series (11mm) & R62 Series (12mm)

Safety Approvals	Part Number	Maximum Ratings				Electrical Characteristics				Cap Value 1KHz @ 25 °C
		Continuous		Transient	Peak Current (8 x 20µs)	Varistor Voltage		Max Clamping Voltage @ Test Current (8 x 20µs)	pF	
		Applicable Voltage (AC) (DC)	Energy (Joules)			Min	Max			
		Volts	Volts	Joules	Volts	Volts	Volts	Amps		
	R7121ZOV500RA04	50	66	8.0	500	74	90	147	30	1800
	R7121ZOV600RA04	60	81	9.0	500	90	110	175	30	1700
	R7121ZOV750RA04	75	102	10.0	2500	108	132	210	30	1300
	R7121ZOV950RA04	95	127	13.0	2500	135	165	255	30	1100
	R7121ZOV121RA05	120	160	18.0	2500	170	207	320	30	900
	R7121ZOV131RA05	130	175	20.0	2500	184	224	340	30	680
	R7121ZOV141RA05	140	180	22.0	2500	198	242	360	30	600
	R7121ZOV151RA05	150	200	30.0	2500	212	259	395	30	550
	R6221ZOV500RA05	50	66	10.0	700	74	90	147	40	2200
	R6221ZOV600RA05	60	81	11.0	700	90	110	175	40	2000
	R6221ZOV750RA05	75	102	13.0	3500	108	132	210	40	1600
	R6221ZOV950RA05	95	127	17.0	3500	135	165	255	40	300
	R6221ZOV121RA07	120	160	24.0	3500	170	207	320	40	950
	R6221ZOV131RA07	130	175	26.0	3500	184	224	340	40	850
	R6221ZOV141RA07	140	180	28.0	3500	198	242	360	40	810
	R6221ZOV151RA07	150	200	30.0	3500	212	259	395	40	720
	R6221ZOV181RA07	180	230	35.0	3500	255	311	465	40	650
	R622OV231RA50	230	300	50.0	3500	326	397	595	40	550
	R622OV251RA55	250	330	55.0	3500	354	432	650	40	500
	R622OV271RA60	270	360	60.0	3500	382	466	710	40	430
	R622OV301RA65	300	390	65.0	3500	425	518	790	40	390
	R622OV321RA70	320	420	70.0	3500	453	553	850	40	360
	R622OV421RA70	420	560	70.0	3500	594	725	1120	40	330
	R622OV481RA80	480	640	80.0	3500	679	829	1240	40	280
	R622OV511RA85	510	675	85.0	3500	722	881	1350	40	250
	R622OV551RA90	550	700	90.0	3500	778	950	1400	40	230
	R622OV581RA95	580	735	95.0	3500	821	1002	1500	40	220
	R622OV621RA100	620	800	100.0	3500	877	1071	1500	40	200
	R622OV681RA105	680	860	105.0	3500	962	1175	1800	40	180

## ZOV Ratings: R65 Series (20mm)

Safety Approvals	Part Number	Maximum Ratings				Electrical Characteristics				Cap Value 1KHz @ 25 °C
		Continuous		Transient	Peak Current (8 x 20µs)	Varistor Voltage		Max Clamping Voltage @ Test Current (8 x 20µs)	pF	
		Applicable Voltage (AC) (DC)	Energy (Joules)			Min	Max			
		Volts	Volts	Joules	Volts	Volts	Volts	Amps		
	R6521ZOV110RA10	11	14	10.0	2000	16	20	36	10	18000
	R6521ZOV140RA13	14	18	13.0	2000	20	24	43	10	15000
	R6521ZOV170RA15	17	22	15.0	2000	24	30	53	10	10000
	R6521ZOV200RA20	20	26	20.0	2000	30	36	65	10	7500
	R6521ZOV250RA24	25	31	24.0	2000	35	43	77	10	6500
	R6521ZOV300RA30	30	38	30.0	2000	42	52	93	10	5500
	R6521ZOV350RA35	35	45	35.0	2000	50	62	110	10	4500
	R6521ZOV400RA40	40	56	40.0	2000	61	75	135	10	3300
	R6521ZOV500RA42	50	65	42.0	6500	74	90	147	50	2900
	R6521ZOV600RA45	60	85	45.0	6500	90	110	175	50	2400
	R6521ZOV750RA55	75	100	55.0	6500	108	132	210	50	1900
	R6521ZOV950RA65	95	125	65.0	6500	135	165	255	50	1500
	R6521ZOV121RA20	120	160	65.0	6500	170	207	320	50	1200
	R6521ZOV131RA20	130	175	70.0	6500	184	224	340	50	1100
	R6521ZOV141RA20	140	180	75.0	6500	198	242	360	50	1000
	R6521ZOV151RA20	150	200	80.0	6500	212	259	395	50	900
	R6521ZOV181RA20	180	230	100.0	6500	255	311	465	50	750
	R652OV231RA115	230	300	115.0	6500	326	397	595	50	550
	R652OV251RA130	250	330	130.0	6500	354	432	650	50	500
	R652OV271RA140	270	360	140.0	6500	382	466	710	50	450
	R652OV301RA150	300	390	150.0	6500	425	518	790	50	400
	R652OV321RA160	320	420	160.0	6500	453	553	850	50	350
	R652OV391RA150	390	505	150.0	6500	552	674	1025	50	280
	R652OV421RA160	420	560	160.0	6500	594	725	1120	50	270
	R652OV461RA175	460	615	175.0	6500	651	795	1240	50	250
	R652OV481RA180	480	640	180.0	6500	679	829	1240	50	230
	R652OV511RA190	510	675	190.0	6500	722	881	1350	50	220
	R652OV551RA200	550	700	200.0	6500	778	950	1400	50	200
	R652OV581RA220	580	735	220.0	6500	821	1002	1500	50	180
	R652OV621RA230	620	800	230.0	6500	877	1071	1500	50	170
	R652OV681RA260	680	860	260.0	6500	962	1175	1800	50	160
	R652OV102RA360	1000	1200	360.0	6500	1414	1728	2700	50	150

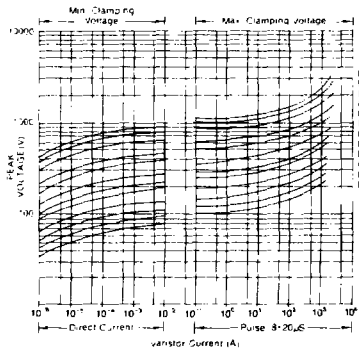
## ZOV Ratings: R69 Series (14mm) & R64 Series (16mm)

Safety Approvals	Part Number	Maximum Ratings				Electrical Characteristics				Cap Value 1KHz @ 25 °C
		Continuous		Transient	Peak Current (8 x 20µs)	Varistor Voltage		Max Clamping Voltage @ Test Current (8 x 20µs)	pF	
		Applicable Voltage (AC) (DC)	Energy (Joules)			Min	Max			
		Volts	Volts	Joules	Volts	Volts	Volts	Amps		
	R6921ZOV110RA04	11	14	3.5	1000	16	20	36	10	18000
	R6921ZOV140RA04	14	18	4.0	1000	20	24	43	10	15000
	R6921ZOV170RA05	17	22	5.0	1000	24	30	53	10	10000
	R6921ZOV200RA06	20	26	6.0	1000	30	36	65	10	7500
	R6921ZOV250RA07	25	31	7.0	1000	35	43	77	10	6500
	R6921ZOV300RA09	30	38	8.0	1000	42	52	93	10	5500
	R6921ZOV350RA10	35	45	10.0	1000	50	62	110	10	4500
	R6921ZOV400RA12	40	56	12.0	1000	61	75	135	10	3300
	R6921ZOV500RA06	50	66	15.0	1000	74	90	147	50	2900
	R6921ZOV600RA06	60	81	20.0	1000	90	110	175	50	2400
	R6921ZOV750RA06	75	102	22.0	4500	108	132	210	50	1900
	R6921ZOV950RA06	95	127	30.0	4500	135	165	255	50	1500
	R6921ZOV121RA09	120	160	35.0	4500	170	207	320	50	1200
	R6921ZOV131RA09	130	175	38.0	4500	184	224	340	50	1100
	R6921ZOV141RA09	140	180	42.0	4500	198	242	360	50	1000
	R6921ZOV151RA09	150	200	45.0	4500	212	259	395	50	900
	R6921ZOV181RA09	180	230	55.0	4500	255	311	465	50	750
	R692OV231RA70	230	300	70.0	4500	326	397	595	50	550
	R692OV251RA72	250	330	72.0	4500	354	432	650	50	500
	R692OV271RA75	270	360	75.0	4500	382	466	710	50	450
	R692OV301RA80	300	390	80.0	4500	425	518	790	50	400
	R692OV321RA90	320	420	90.0	4500	453	553	850	50	350
	R692OV361RA85	360	470	85.0	4500	522	638	960	50	300
	R692OV391RA85	390	505	85.0	4500	552	674	1025	50	280
	R692OV401RA85	400	530	85.0	4500	585	715	1070	50	270
	R692OV421RA90	420	560	90.0	4500	594	725	1120	50	250
	R692OV461RA100	460	615	100.0	4500	651	795	1240	50	230
	R692OV481RA105	480	640	105.0	4500	679	829	1240	50	220
	R692OV511RA110	510	675	110.0	4500	722	881	1350	50	200
	R692OV551RA115	550	700	115.0	4500	778	950	1400	50	180
	R692OV581RA120	580	735	120.0	4500	821	1002	1500	50	170
	R692OV621RA130	620	800	130.0	4500	877	1071	1500	50	160
	R692OV681RA150	680	860	150.0	4500	962	1175	1800	50	150
	R692OV102RA220	1000	1200	220.0	4500	1414	1728	2700	50	150
	R6421ZOV121RA10	120	160	35.0	4500	160	207	320	50	1500
	R6421ZOV131RA10	130	175	38.0	4500	175	224	340	50	1350
	R6421ZOV141RA10	140	180	42.0	4500	180	242	360	50	1270
	R6421ZOV151RA10	150	200	45.0	4500	200	259	395	50	1200

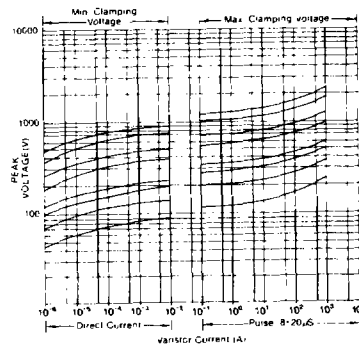
## ZOV Ratings: R63 Series (18mm)

Safety Approvals	Part Number	Maximum Ratings				Electrical Characteristics				Cap Value 1KHz @ 25 °C
		Continuous		Transient	Peak Current (8 x 20µs)	Varistor Voltage		Max Clamping Voltage @ Test Current (8 x 20µs)	pF	
		Applicable Voltage (AC) (DC)	Energy (Joules)			Min	Max			
		Volts	Volts	Joules	Volts	Volts	Volts	Amps		
	R6321ZOV131RA70	130	175	70.0	6500	184	224	340	100	2300
	R6321ZOV141RA75	140	180	75.0	6500	198	242	360	100	2150
	R6321ZOV151RA80	150	200	80.0	6500	212	259	395	100	2000
	R6321ZOV181RA15	180	230	65.0	5500	255	311	465	75	1400
	R632OV231RA80	230	300	80.0	5500	326	397	595	75	1100
	R632OV251RA90	250	330	90.0	5500	354	432	650	75	900
	R632OV271RA100	270	360	100.0	5500	382	466	710	75	820
	R632OV301RA105	300	390	105.0	5500	425	518	790	75	800
	R632OV321RA110	320	420	110.0	5500	453	553	850	75	760
	R632OV421RA110	420	560	110.0	5500	594	725	1120	75	620
	R632OV481RA130	480	640	130.0	5500	679	829	1240		

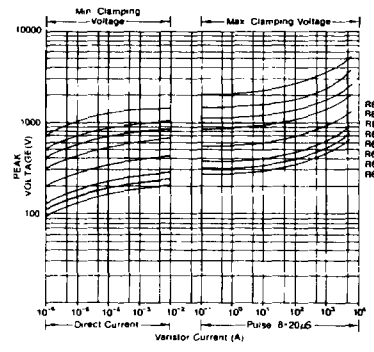
### R61 Series Typical Voltage-Current Characteristics



### R62 Series Typical Voltage-Current Characteristics



### R65 Series Typical Voltage-Current Characteristics



## Cross Reference Information

### R58 (5mm) Series

VDC @ 1mA	SAHA	GE	PANASONIC	SIEMENS	FUJI	SANKEN
18	R58ZOV110RA00	V18ZA05	ERZC05DK180	S05K11		
22	R58ZOV140RA00	V22ZA05	ERZC05DK220	S05K14	ENB220D05B	
27	R58ZOV170RA00	V27ZA05	ERZC05DK270	S05K17	ENB270D05B	
33	R58ZOV200RA00	V33ZA05	ERZC05DK330	S05K20	ENB330D05B	
39	R58ZOV250RA01	V39ZA05	ERZC05DK390	S05K25	ENB390D05B	
47	R58ZOV300RA01	V47ZA05	ERZC05DK470	S05K30	ENB470D05B	
56	R58ZOV350RA01	V56ZA05	ERZC05DK560	S05K35	ENB560D05B	
68	R58ZOV400RA01	V68ZA05	ERZC05DK680	S05K40	ENB680D05B	
78	R58ZOV500RA01					
94	R58ZOV600RA01					
117	R58ZOV750RA01					
150	R58ZOV950RA01		ERZC05DK151	S05K95	ENB151D05B	
190	R58ZOV121RA02					
205	R58ZOV131RA02			S05K130		
220	R58ZOV141RA02	V220ZA05	ERZC05DK221	S05K140	ENB221D05A	
236	R58ZOV151RA02					
283	R58ZOV181RA02					
360	R58ZOV231RA08		ERZC05DK361	S05K230		
390	R58ZOV251RA08	V390ZA05	ERZC05DK391	S05K250		
430	R58ZOV271RA09	V430ZA05	ERZC05DK431	S05K275		
470	R58ZOV301RA10		ERZC05DK471	S05K300		

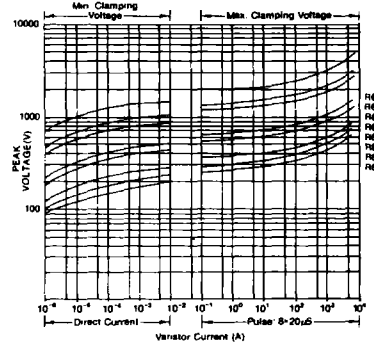
### R73 (7mm) Series

VDC @ 1mA	SAHA	GE	PANASONIC	SIEMENS	FUJI	SANKEN
18	R73ZOV110RA01	V18ZA1	ERZC07DK180	S07K11		SNR7D18L
22	R73ZOV140RA01	V22ZA1	ERZC07DK220	S07K14	ENB220D07B	SNR7D22L
27	R73ZOV170RA01	V27ZA1	ERZC07DK270	S07K17	ENB270D07B	SNR7D27L
33	R73ZOV200RA01	V33ZA1	ERZC07DK330	S07K20	ENB330D07B	SNR7D33L
39	R73ZOV250RA02	V39ZA1	ERZC07DK390	S07K25	ENB390D07B	SNR7D39L
47	R73ZOV300RA02	V47ZA1	ERZC07DK470	S07K30	ENB470D07B	SNR7D47L
56	R73ZOV350RA02	V56ZA2	ERZC07DK560	S07K35	ENB560D07B	SNR7D56L
68	R73ZOV400RA03	V68ZA2	ERZC07DK680	S07K40	ENB680D07B	SNR7D68L
78	R73ZOV500RA02					
94	R73ZOV600RA02					
117	R73ZOV750RA02					
150	R73ZOV950RA02	V150ZA1	ERZC07DK151	S07K95	ENB151D07A	SNR7A95K
190	R73ZOV121RA03			S07K130		
205	R73ZOV131RA03			S07K140	ENB221D07A	
220	R73ZOV141RA03	V140LA2	ERZC07DK221	S07K140		
236	R73ZOV151RA03					
283	R73ZOV181RA03					
360	R73ZOV231RA20	V230LA4	ERZC07DK361	S07K230		SNR7A250K
390	R73ZOV251RA21	V250LA4	ERZC07DK391	S07K250		SNR7A275K
430	R73ZOV271RA23	V275LA4	ERZC07DK431	S07K275		SNR7A300K
470	R73ZOV301RA25	V300LA4	ERZC07DK471	S07K300		

### R61 (10mm) Series

VDC @ 1mA	SAHA	GE	PANASONIC	SIEMENS	FUJI	SANKEN
18	R612ZOV110RA02	V18ZA2	ERZC10DK180	S10K11		
22	R612ZOV140RA02	V22ZA2	ERZC10DK220	S10K14	ENB220D10B	
27	R612ZOV170RA03	V27ZA2	ERZC10DK270	S10K17	ENB270D10B	
33	R612ZOV200RA03	V33ZA2	ERZC10DK330	S10K20	ENB330D10B	
39	R612ZOV250RA04	V39ZA3	ERZC10DK390	S10K25	ENB390D10B	
47	R612ZOV300RA05	V47ZA3	ERZC10DK470	S10K30	ENB470D10B	
56	R612ZOV350RA06	V56ZA3	ERZC10DK560	S10K35	ENB560D10B	
68	R612ZOV400RA07	V68ZA3	ERZC10DK680	S10K40	ENB680D10B	
78	R612ZOV500RA03					
94	R612ZOV600RA03					
117	R612ZOV750RA03					
150	R612ZOV950RA03	V150ZA4	ERZC10DK151	S10K95	ENB151S10A	
190	R612ZOV121RA04			S10K130		
205	R612ZOV131RA04			S10K140	ENB221D10A	
220	R612ZOV141RA04	V140LA5	ERZC10DK221	S10K140		
236	R612ZOV151RA04					
283	R612ZOV181RA04					
360	R612ZOV231RA35	V230LA10	ERZC10DK361	S10K230		
390	R612ZOV251RA40	V250LA10	ERZC10DK391	S10K250		
426	R612ZOV271RA43					
470	R612ZOV301RA45		ERZC10DK471	S10K300		
500	R612ZOV321RA45					
660	R612ZOV421RA45					
750	R612ZOV481RA50		ERZC10DK751	S10K460		
800	R612ZOV511RA55				ENB801D10A	
864	R612ZOV551RA60					
910	R612ZOV581RA65		ERZC10DK911	S10K550		
974	R612ZOV621RA65					
1068	R612ZOV681RA70					

### R65 Series Typical Voltage-Current Characteristics



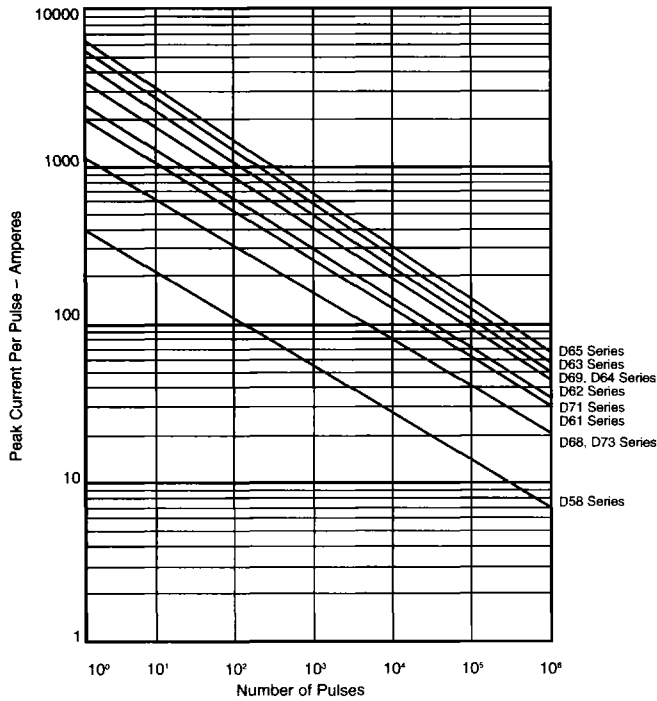
### R69 (14mm) Series

VDC @ 1mA	SAHA	GE	PANASONIC	SIEMENS	FUJI	SANKEN
18	R6921ZOV110RA04	V18ZA3	ERZC14DK180	S14K11		SNR14D18L
22	R6921ZOV140RA04	V22ZA3	ERZC14DK220	S14K14	ENB220D14B	SNR14D22L
27	R6921ZOV170RA05	V27ZA4	ERZC14DK270	S14K17	ENB270D14B	SNR14D27L
33	R6921ZOV200RA06	V33ZA5	ERZC14DK330	S14K20	ENB330D14B	SNR14D33L
39	R6921ZOV250RA07	V39ZA6	ERZC14DK390	S14K25	ENB390D14B	SNR14D39L
47	R6921ZOV300RA09	V47ZA7	ERZC14DK470	S14K30	ENB470D14B	SNR14D47L
56	R6921ZOV350RA10	V56ZA8	ERZC14DK560	S14K35	ENB560D14B	SNR14D56L
68	R6921ZOV400RA12	V68ZA10	ERZC14DK680	S14K40	ENB680D14B	SNR14D68L
94	R6921ZOV600RA06					
117	R6921ZOV750RA06					
150	R6921ZOV950RA09	V150ZA8	ERZC14DK151	S14K95	ENB151S14A	SNR14A95K
190	R6921ZOV121RA09			S14K130		
205	R6921ZOV131RA09			S14K140	ENB221D14A	
220	R6921ZOV141RA09	V140LA10A	ERZC104K221	S14K140		
236	R6921ZOV151RA09					
283	R6921ZOV181RA09					
360	R692OV231RA70	V230LA20A	ERZC14DK361	S14K230		SNR14D250K
390	R692OV251RA72	V250LA20A	ERZC14DK391	S14K250		SNR14D275K
430	R692OV271RA75	V275LA120A	ERZC14DK431	S14K275		SNR14D300K
470	R692OV301RA80		ERZC14DK471	S14K300		
500	R692OV321RA90					
660	R692OV421RA90					
750	R692OV481RA05	V480LA40A	ERZC14DK751	S14K460		
800	R692OV511RA110				ENB801D14A	
864	R692OV551RA110					
910	R692OV581RA120	V575LA40A	ERZC14DK911	S14K550		SNR14A575K
974	R692OV621RA130					
1068	R692OV681RA150					
1571	R692OV102RA220					

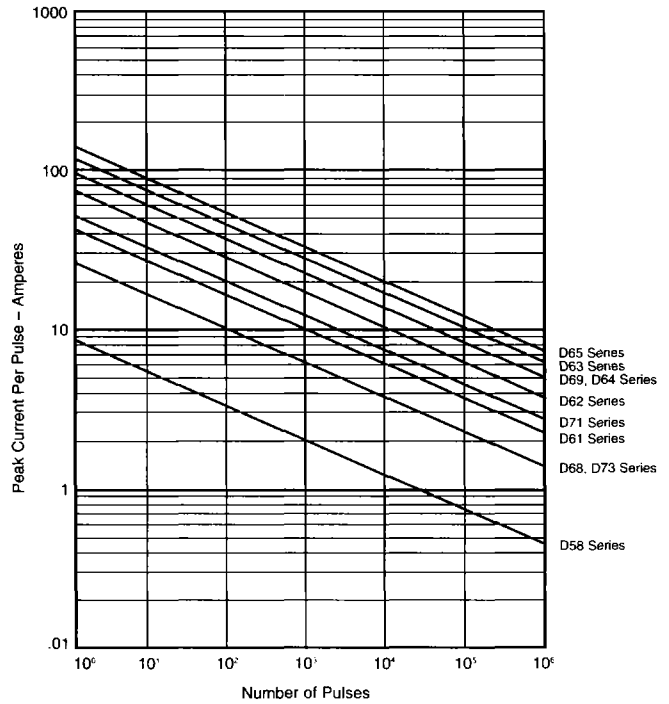
### R65 (20mm) Series

VDC @ 1mA	SAHA	GE	PANASONIC	SIEMENS	FUJI	SANKEN
18	R6521ZOV110RA10	V18ZA40	ERZC20DK180	S20K11		
22	R6521ZOV140RA13		ERZC20DK220	S20K14		
27	R6521ZOV170RA15	V33ZA60	ERZC20DK270	S20K17		
33	R6521ZOV200RA20	V39ZA70	ERZC20DK330	S20K20		
39	R6521ZOV250RA24		ERZC20DK390	S20K25		
47	R6521ZOV300RA30		ERZC20DK470	S20K30		
56	R6521ZOV350RA35		ERZC20DK560	S20K35		
68	R6521ZOV400RA40		ERZC20DK680	S20K40		
78	R6521ZOV500RA42					
94	R6521ZOV600RA45					
117	R6521ZOV750RA55					
150	R6521ZOV950RA65		ERZC20DK151	S20K95		
190	R6521ZOV121RA20			S20K130		
205	R6521ZOV131RA20			S20K140	ENB221D20A	
220	R6521ZOV141RA20		ERZC204K221	S20K140		
236	R6521ZOV151RA20					
283	R6521ZOV181RA20					
360	R652OV231RA115					
390	R652OV251RA130	V250LA40A	ERZC20DK391	S20K250		SNR20A250K
426	R652OV271RA140					
470	R652OV301RA150		ERZC20DK471	S20K300		SNR20A300K
500	R652OV321RA160					
660	R652OV421RA160					
750	R652OV481RA180	V480LA80B	ERZC20DK751	S20K460		
800	R652OV511RA190				ENB801D20A	
864	R652OV551RA200					
910	R652OV581RA220	V575LA80B	ERZC20DK911	S20K550		SNR20A550K
974	R652OV621RA230					
1068	R652OV681RA260					
1571	R652OV102RA360					

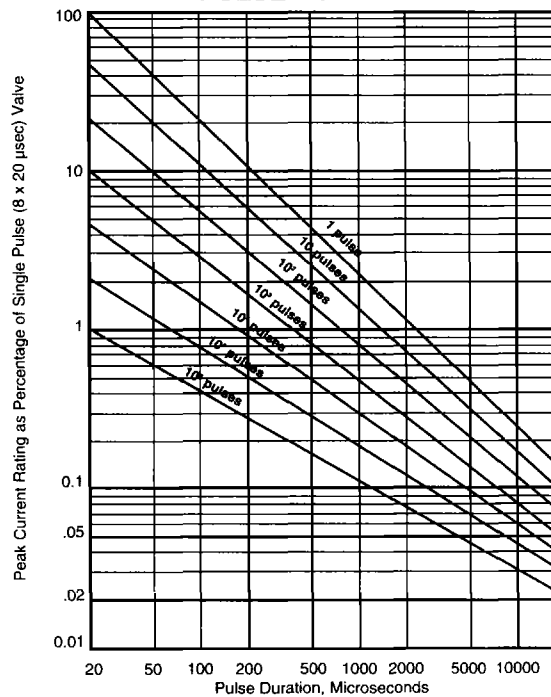
**PULSE RATING 8 x 20 μs WAVEFORM**



**PULSE RATING 10 x 1000 μs WAVEFORM**



**PEAK CURRENT PER PULSE vs. PULSE DURATION**



- TANTALUM CAPACITORS
- CERAMIC CAPACITORS
- FILM CAPACITORS
- MICA CAPACITORS
- ELECTROLYTIC CAPACITORS
- RESISTORS
- VARISTORS**
- INDUCTORS
- VOLTAGE REGULATORS
- SEMI-CONDUCTORS
- VIDEO FILTERS
- MINI-REEL PRODUCTS