

Stand-Off Voltage	Order Code	1+	Price Each			
			25+	100+	500+	
500W Range (Unidirectional – dc)						
5.0V	.607-812					
12.0V	.607-824					
15.0V	.607-836					
24.0V	.607-848					
30.0V	.607-850					
1500W Range (Unidirectional – dc)						
5.5V	.607-861					
9.4V	.318-840					
12.9V	.607-873					
15.3V	.318-875					
17.8V	.607-885					
21.8V	.607-897					
24.3V	.607-903					
29.1V	.607-927					
38.1V	.607-939					
130.0V	.607-940					
140.0V	.607-952					
500W Range (Bidirectional – ac)						
12.0V	.607-976					
15.0V	.607-988					
24.0V	.607-990					
30.0V	.608-002					
1500W Range (Bidirectional – ac)						
5.5V	.608-014					
8.92V	.608-026					
12.9V	.608-038					
14.5V	.608-040					
17.8V	.608-051					
21.8V	.608-063					
24.3V	.608-075					
26.8V	.608-087					
29.1V	.608-099					
31.8V	.608-105					
130.0V	.608-117					
324.0V	.608-129					

Stand-Off Voltage	Order Code	1+	Price Each				1000+
			25+	100+	500+		
500W Range (Unidirectional – dc)							
5.0V	.752-010						
12.0V	.752-022						
15.0V	.752-034						
24.0V	.752-046						
30.0V	.752-058						
1500W Range (Unidirectional – dc)							
5.5V	.752-060						
9.4V	.752-071						
13.6V	.752-083						
15.3V	.752-095						
18.8V	.752-101						
23.1V	.752-113						
25.6V	.752-125						
28.2V	.752-137						
30.8V	.752-149						
40.2V	.752-150						
136.0V	.752-162						
342.0V	.752-174						
500W Range (Bidirectional – ac)							
5.0V	.752-186						
12.0V	.752-198						
15.0V	.752-204						
24.0V	.752-216						
30.0V	.752-228						
1500W Range (Bidirectional – ac)							
5.8V	.752-230						
9.4V	.752-241						
13.6V	.752-253						
15.3V	.752-265						
18.8V	.752-277						
23.1V	.752-289						
25.6V	.752-290						
28.2V	.752-307						
30.8V	.752-319						
40.2V	.752-320						
136.0V	.752-332						
342.0V	.752-344						

Transient Voltage Suppressors



500W Range:	min L = 5.8	max 7.6	min Dia = 2.6	max 3.6	Connections:- Band to Positive supply. No band on bipolar type.
1500W Range:	min L = 7.2	max 9.5	min Dia = 4.8	max 5.3	

Silicon axial lead TVS's offering advantages of:-

- Low clamping voltages
- No wear-out limitation
- Small physical size
- Wide voltage range
- High transient power dissipation

Stand-Off Voltage V _{RM} (V)	Breakdown Voltage V _{BR} (V)	Clamping Voltage V _(CL) R _(V)	I _T mA	P _{tot} @ T _c = 75° C (W)	Max. Peak Pulse Current (A)	JEDEC No	Mfrs. List No.	Order Code
500W Range (Unidirectional – dc)								
5.0	6.4 - 7.0	9.6	10	1	54.3	—	SA5.0A	752-010
12.0	13.3 - 14.7	19.9	1	1	25.1	—	SA12A	752-022
15.0	16.7 - 18.5	24.4	1	1	20.6	—	SA15A	752-034
24.0	26.7 - 29.5	38.9	1	1	12.8	—	SA24A	752-046
30.0	33.3 - 36.8	48.4	1	1	10.3	—	SA30A	752-058
1500W Range (Unidirectional – dc)								
5.5	6.45 - 7.14	10.5	10	5	143.0	1N6267A	1.5KE6.8A	752-060
9.4	10.5 - 11.6	15.6	1	5	96.0	1N6272A	1.5KE11A	752-071
13.6	15.2 - 16.8	22.5	1	5	67.0	1N6276A	1.5KE16A	752-083
15.3	17.1 - 18.9	25.2	1	5	59.5	1N6277A	1.5KE18A	752-095
18.8	20.9 - 23.1	30.6	1	5	49.0	1N6279A	1.5KE22A	752-101
23.1	25.7 - 28.4	37.5	1	5	40.0	1N6281A	1.5KE27A	752-113
25.6	28.5 - 31.5	41.4	1	5	36.0	1N6282A	1.5KE30A	752-125
28.2	31.4 - 34.7	45.7	1	5	33.0	1N6283A	1.5KE33A	752-137
30.8	34.2 - 37.8	49.9	1	5	30.0	1N6284A	1.5KE36A	752-149
40.2	44.7 - 49.4	64.8	1	5	23.2	1N6287A	1.5KE47A	752-150
136.0	152 - 162	219.0	1	5	6.8	1N6300A	1.5KE160A	752-162
342.0	380 - 420	548.0	1	5	4.0	—	1.5KE400A	752-174
500W Range (Bidirectional – ac)								
5.0	6.4 - 7.0	9.2	10	1	54.3	—	SA5CA	752-186
12.0	13.3 - 14.7	19.2	1	1	25.1	—	SA12CA	752-198
15.0	16.7 - 18.5	24.4	1	1	20.6	—	SA15CA	752-204
24.0	26.7 - 29.5	38.9	1	1	12.8	—	SA24CA	752-216
30.0	33.3 - 36.8	48.4	1	1	10.3	—	SA30CA	752-228
1500W Range (Bidirectional – ac)								
5.8	6.45 - 7.14	10.5	10	5	143.0	1N6267CA	1.5KE6.8CA	752-230
9.4	10.5 - 11.6	15.6	1	5	96.0	1N6272CA	1.5KE11CA	752-241
13.6	15.2 - 16.8	22.5	1	5	67.0	1N6276CA	1.5KE16CA	752-253
15.3	17.1 - 18.9	25.2	1	5	59.5	1N6277CA	1.5KE18CA	752-265
18.8	20.9 - 23.1	30.6	1	5	49.0	1N6279CA	1.5KE22CA	752-277
23.1	25.7 - 28.4	37.5	1	5	40.0	1N6281CA	1.5KE27CA	752-289
25.6	28.5 - 31.5	41.4	1	5	36.0	1N6282CA	1.5KE30CA	752-290
28.2	31.4 - 34.7	45.7	1	5	33.0	1N6283CA	1.5KE33CA	752-307
30.8	34.2 - 37.8	49.9	1	5	30.0	1N6284CA	1.5KE36CA	752-319
40.2	44.7 - 49.4	64.8	1	5	23.2	1N6287CA	1.5KE47CA	752-320
136.0	152 - 168	219.0	1	5	6.8	1N6300CA	1.5KE160CA	752-332
342.0	380 - 420	548.0	1	5	4.0	—	1.5KE400CA	752-344

FL183

Regulator Diodes

Low Voltage, Avalanche

Philips Semiconductors



DO-35 L = 4.25, Dia = 1.85
Coloured band indicates cathode



- Low dynamic resistance at very low currents
- Very low leakage currents
- Very steep I-V (breakdown) characteristics
- Low noise

Suitable for low current, low power and low noise application, such as memory back-up, voltage stabilisers, voltage limiters and smoke detector relays.

Working Voltage V _Z , V	Dynamic Resistance R _Z , Ω	Reverse Current I _R , μA	Line Regulation ΔV _Z , V @	I _{LO} μA	P _{TOT} mW	Device Marking	Package	Mfrs. List No.
5.0	700	10	0.4	100	400	—	DO-35	PLVA450A
5.0	700	20	0.4	100	250	*9A	SOT-23	PLVA650A
5.3	250	5	0.2	100	250	*9B	SOT-23	PLVA653A
5.6	100	1	0.1	50	400	—	DO-35	PLVA456A
5.6	100	1	0.1	50	250	*9C	SOT-23	PLVA656A
6.2	100	0.1	0.1	10	250	*9E	SOT-23	PLVA662A

SD212

Order Multiple = 5		Price Each			
Mfrs. List No.	Order Code	5+	25+	100+	1K+
PLVA450A	.541-450				
PLVA456A	.541-461				
PLVA650A	SMB305-1262				
PLVA653A	SMB305-1274				
PLVA656A	SMB305-1286				
PLVA662A	SMB305-1298				

Continued