

Breakdown Voltage V _{BR} @ I _T	Min.	Nom.	Max.	I _T (mA)	Reverse Standoff Voltage (V _{RWM})	Reverse DC Leakage Current @ V _{RWM} (µA)	Watts	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Diodes Part No.
									1	10	100		Qty.	Pricing	
7.79	8.2	8.61	10	7.02	200	1500	1.5KE8.2CADICT-ND	.61	4.73	40.51	1.5KE8.2CADITR-ND	1,000	209.31	1.5KE8.2CA	
9.5	10.0	10.5	1	8.55	10	1500	1.5KE10CADICT-ND	.61	4.73	40.51	1.5KE10CADITR-ND	1,000	209.31	1.5KE10CA	
11.4	12.0	12.6	1	10.2	5	1500	1.5KE12CADICT-ND	.61	4.73	40.51	1.5KE12CADITR-ND	1,000	209.31	1.5KE12CA	
14.3	15.0	15.8	1	12.8	5	1500	1.5KE15CADICT-ND	.61	4.73	40.51	1.5KE15CADITR-ND	1,000	209.31	1.5KE15CA	
19.0	20.0	21.0	1	17.1	5	1500	1.5KE20CADICT-ND	.61	4.73	40.51	1.5KE20CADITR-ND	1,000	209.31	1.5KE20CA	
22.8	24.0	25.2	1	20.5	5	1500	1.5KE24CADICT-ND	.61	4.73	40.51	1.5KE24CADITR-ND	1,000	209.31	1.5KE24CA	
25.7	27.0	28.4	1	23.1	5	1500	1.5KE27CADICT-ND	.61	4.73	40.51	1.5KE27CADITR-ND	1,000	209.31	1.5KE27CA	
28.5	30.0	31.5	1	25.5	5	1500	1.5KE30CADICT-ND	.61	4.73	40.51	1.5KE30CADITR-ND	1,000	209.31	1.5KE30CA	
31.4	33.0	34.7	1	28.2	5	1500	1.5KE33CADICT-ND	.61	4.73	40.51	1.5KE33CADITR-ND	1,000	209.31	1.5KE33CA	
48.5	51.0	53.6	1	43.6	5	1500	1.5KE51CADICT-ND	.61	4.73	40.51	1.5KE51CADITR-ND	1,000	209.31	1.5KE51CA	
64.6	68.0	71.4	1	58.1	5	1500	1.5KE68CADICT-ND	.61	4.73	40.51	1.5KE68CADITR-ND	1,000	209.31	1.5KE68CA	
95.0	100.0	105.0	1	85.5	5	1500	1.5KE100CADICT-ND	.61	4.73	40.51	1.5KE100CADITR-ND	1,000	209.31	1.5KE100CA	
143.0	150.0	158.0	1	128.0	5	1500	1.5KE150CADICT-ND	.61	4.73	40.51	1.5KE150CADITR-ND	1,000	209.31	1.5KE150CA	

Fig. 4 — SMC, Unidirectional — RoHS Compliant

Reverse Standoff Voltage (V _{RWM})	Reverse DC Leakage Current @ V _{RWM} (µA)	Watts	Digi-Key Part No.	1	10	100	Digi-Key Part No.	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	Diodes Part No.
5.0	1000	3000	3.0SMCJ5.0ADICT-ND	1.37	10.86	92.64	3.0SMCJ5.0ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ5.0A-13
5.0	5.0	3000	3.0SMCJ20ADICT-ND	1.37	10.86	92.64	3.0SMCJ20ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ20A-13
5.0	5.0	3000	3.0SMCJ22ADICT-ND	1.37	10.86	92.64	3.0SMCJ22ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ22A-13
5.0	5.0	3000	3.0SMCJ24ADICT-ND	1.37	10.86	92.64	3.0SMCJ24ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ24A-13
5.0	5.0	3000	3.0SMCJ28ADICT-ND	1.37	10.86	92.64	3.0SMCJ28ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ28A-13
5.0	5.0	3000	3.0SMCJ30ADICT-ND	1.37	10.86	92.64	3.0SMCJ30ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ30A-13
5.0	5.0	3000	3.0SMCJ58ADICT-ND	1.37	10.86	92.64	3.0SMCJ58ADITR-ND	3,000	431.25/M	3,000	431.25/M	3,000	431.25/M	3.0SMCJ58A-13

Fig. 5 — SOT-23, Unidirectional — RoHS Compliant

Reverse Standoff Voltage (V _{RWM})	Reverse DC Leakage Current @ V _{RWM} (µA)	Watts	Digi-Key Part No.	1	10	100	Digi-Key Part No.	3,000	110.32/M	3,000	110.32/M	3,000	110.32/M	Diodes Part No.
3.3	110	350	DLP03LCDICT-ND	41	3.01	24.27	DLP03LCDITR-ND	3,000	110.32/M	3,000	110.32/M	3,000	110.32/M	DLP03LC-7

Fig. 6 — SOT-26, Bidirectional — RoHS Compliant

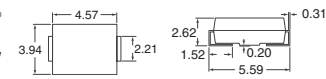
Reverse Standoff Voltage (V _{RWM})	Reverse DC Leakage Current @ V _{RWM} (µA)	Watts	Digi-Key Part No.	1	10	100	Digi-Key Part No.	3,000	125.24/M	3,000	125.24/M	3,000	125.24/M	Diodes Part No.
3.3	110	330	DLPD3V3LCDICT-ND	46	3.43	27.55	DLPD3V3LCDITR-ND	3,000	125.24/M	3,000	125.24/M	3,000	125.24/M	DLPD3V3LC-7

Fig. 7 — SOD-523, Unidirectional — RoHS Compliant

Reverse Standoff Voltage (V _{RWM})	Reverse DC Leakage Current @ V _{RWM} (µA)	Watts	Digi-Key Part No.	1	10	100	Digi-Key Part No.	3,000	92.57/M	3,000	92.57/M	3,000	92.57/M	Diodes Part No.
1.0	1	220	T3V35SDICT-ND	.38	3.00	20.69	T3V35SDITR-ND	3,000	92.57/M	3,000	92.57/M	3,000	92.57/M	T3V35S-7
1.0	0.05	260	T5V05SDICT-ND	.38	3.00	20.69	T5V05SDITR-ND	3,000	92.57/M	3,000	92.57/M	3,000	92.57/M	T5V05S-7
1.0	0.01	300	T12S5DICT-ND	.38	3.00	20.69	T12S5DITR-ND	3,000	92.57/M	3,000	92.57/M	3,000	92.57/M	T12S5-7

◆ RoHS Compliant

SMB Bi-Directional Thyristor Surge Protection Device



Features: • 58V - 320V Stand-Off Voltages • Oxide-Glass Passivated Junction • Bidirectional protection in a single device • High Off-State Impedance and Low On-State Voltage **Mechanical Data:** • Case: SMB, Molded plastic • Case Material: UL Flammability Classification Rating 94V-0

Non-Repetitive Peak Impulse Current (A) 10/100µs	Rated Repetitive Off-State Volt. V _{DRM} (V)	Off-State Leakage Current @ V _{DRM} I _{DRM} (µA)	Breakover Voltage V _{BO} (V)	Holding Current I _H (mA)		Off-State Capacitance C ₀ (pF)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000		Diodes Part No.	
				Min.	Max.			1	10	100		Qty.	Pricing		
30	58	5	77	150	800	100	TB0640L-FDICT-ND	.87	.70	.59	TB0640L-FDITR-ND	274.43/M	274.43/M	TB0640L-13-F	
	65	5	88	150	800	100	TB0720L-FDICT-ND	.76	.67	.51	TB0720L-FDITR-ND	270.08/M	270.08/M	TB0720L-13-F	
	75	5	98	150	800	100	TB0900L-FDICT-ND	.76	.67	.51	TB0900L-FDITR-ND	274.43/M	274.43/M	TB0900L-13-F	
	90	5	130	150	800	60	TB1100L-FDICT-ND	.76	.67	.51	TB1100L-FDITR-ND	270.08/M	270.08/M	TB1100L-13-F	
	120	5	160	150	800	60	TB1300L-FDICT-ND	.87	.70	.59	TB1300L-FDITR-ND	274.43/M	274.43/M	TB1300L-13-F	
	140	5	180	150	800	60	TB1500L-FDICT-ND	.76	.67	.51	TB1500L-FDITR-ND	270.08/M	270.08/M	TB1500L-13-F	
	160	5	220	150	800	60	TB1800L-FDICT-ND	.76	.67	.51	TB1800L-FDITR-ND	274.43/M	274.43/M	TB1800L-13-F	
	190	5	265	150	800	40	TB2300L-FDICT-ND	.76	.67	.51	TB2300L-FDITR-ND	270.08/M	270.08/M	TB2300L-13-F	
	220	5	300	150	800	40	TB2600L-FDICT-ND	.76	.67	.51	TB2600L-FDITR-ND	274.43/M	274.43/M	TB2600L-13-F	
	275	5	350	150	800	40	TB3100L-FDICT-ND	.87	.70	.59	TB3100L-FDITR-ND	274.43/M	274.43/M	TB3100L-13-F	
	275	5	350	150	800	40	TB3100L-FDICT-ND	.87	.70	.59	TB3100L-FDITR-ND	274.43/M	274.43/M	TB3100L-13-F	
	320	5	400	150	800	40	TB3500L-FDICT-ND	.76	.67	.51	TB3500L-FDITR-ND	274.43/M	274.43/M	TB3500L-13-F	
	320	5	400	150	800	40	TB3500L-FDICT-ND	.87	.70	.59	TB3500L-FDITR-ND	274.43/M	274.43/M	TB3500L-13-F	
	50	58	5	77	150	800	140	TB0640M-FDICT-ND	.82	.71	.55	TB0640M-FDITR-ND	294.03/M	294.03/M	TB0640M-13-F
		65	5	88	150	800	140	TB0720M-FDICT-ND	.94	.75	.64	TB0720M-FDITR-ND	289.68/M	289.68/M	TB0720M-13-F
		75	5	98	150	800	140	TB0900M-FDICT-ND	.94	.75	.64	TB0900M-FDITR-ND	294.03/M	294.03/M	TB0900M-13-F
90		5	130	150	800	90	TB1100M-FDICT-ND	.82	.71	.55	TB1100M-FDITR-ND	289.68/M	289.68/M	TB1100M-13-F	
120		5	160	150	800	90	TB1300M-FDICT-ND	.94	.75	.64	TB1300M-FDITR-ND	294.03/M	294.03/M	TB1300M-13-F	
140		5	180	150	800	90	TB1500M-FDICT-ND	.82	.71	.55	TB1500M-FDITR-ND	289.68/M	289.68/M	TB1500M-13-F	
160		5	220	150	800	90	TB1800M-FDICT-ND	.94	.75	.64	TB1800M-FDITR-ND	294.03/M	294.03/M	TB1800M-13-F	
190		5	265	150	800	60	TB2300M-FDICT-ND	.82	.71	.55	TB2300M-FDITR-ND	289.68/M	289.68/M	TB2300M-13-F	
220		5	300	150	800	60	TB2600M-FDICT-ND	.82	.71	.55	TB2600M-FDITR-ND	294.03/M	294.03/M	TB2600M-13-F	
275		5	350	150	800	60	TB3100M-FDICT-ND	.82	.71	.55	TB3100M-FDITR-ND	289.68/M	289.68/M	TB3100M-13-F	
275		5	350	150	800	60	TB3100M-FDICT-ND	.94	.75	.64	TB3100M-FDITR-ND	294.03/M	294.03/M	TB3100M-13-F	
320		5	400	150	800	60	TB3500M-FDICT-ND	.82	.71	.55	TB3500M-FDITR-ND	289.68/M	289.68/M	TB3500M-13-F	
320		5	400	150	800	60	TB3500M-FDICT-ND	.94	.75	.64	TB3500M-FDITR-ND	294.03/M	294.03/M	TB3500M-13-F	
100		58	5	77	150	800	200	TB0640H-FDICT-ND	.90	.78	.60	TB0640H-FDITR-ND	323.44/M	323.44/M	TB0640H-13-F
		65	5	88	150	800	200	TB0720H-FDICT-ND	1.03	.82	.70	TB0720H-FDITR-ND	318.72/M	318.72/M	TB0720H-13-F
		75	5	98	150	800	200	TB0900H-FDICT-ND	.90	.78	.60	TB0900H-FDITR-ND	323.44/M	323.44/M	TB0900H-13-F
	90	5	130	150	800	120	TB1100H-FDICT-ND	1.03	.82	.70	TB1100H-FDITR-ND	318.72/M	318.72/M	TB1100H-13-F	
	120	5	160	150	800	120	TB1300H-FDICT-ND	.90	.78	.60	TB1300H-FDITR-ND	323.44/M	323.44/M	TB1300H-13-F	
	140	5	180	150	800	120	TB1500H-FDICT-ND	1.03	.82	.70	TB1500H-FDITR-ND	318.72/M	318.72/M	TB1500H-13-F	
	160	5	220	150	800	120	TB1800H-FDICT-ND	.90	.78	.60	TB1800H-FDITR-ND	323.44/M	323.44/M	TB1800H-13-F	
	190	5	265	150	800	80	TB2300H-FDICT-ND	.90	.78	.60	TB2300H-FDITR-ND	318.72/M	318.72/M	TB2300H-13-F	
	220	5	300	150	800	80	TB2600H-FDICT-ND	1.03	.82	.70	TB2600H-FDITR-ND	323.44/M	323.44/M	TB2600H-13-F	
	275	5	350	150	800	80	TB3100H-FDICT-ND	.90	.78	.60	TB3100H-FDITR-ND	318.72/M	318.72/M	TB3100H-13-F	
	275	5	350	150	800	80	TB3100H-FDICT-ND	1.03	.82	.70	TB3100H-FDITR-ND	323.44/M			