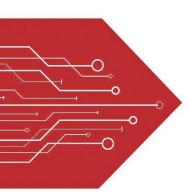
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

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POWER: 200Watts

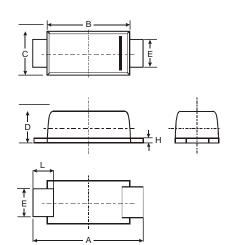
Features

- For surface mounted applications
- Low profile package
- Low incremental surge resistance, excellent clamping capability
- 200W peak pulse power capability with a10/1000 µs wave from, repetition rate (dutycycle):0.01%
- High temperature solderingguaranteed: 260 °C/10 seconds, at terminals

Mechanical Data

- Case: SOD-123FL over passivated chip
- Polarity: Color band denotes positive end (cathode) except for bidirectional
- Mounting position: Any
- Weight: 0.006 ounces, 0.02 gram





	SOD-123FL						
Dim	Min	Max	Тур				
Α	3.50	3.80	3.65				
В	2.60	2.90	2.75				
С	1.70	1.90	1.80				
D	1.00	1.30	1.15				
E	0.80	1.10	0.95				
Н	0.12	0.20	0.16				
L	0.07	0.09	0.08				
All Dimensions in mm							

Maximum Ratings T_A = 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Maximum P _{PK} Dissipation (PW - 10/1000 μs)	P _{PK}	200	W
Maximum P _{PK} Dissipation @ Ta = 25 °C (PW - 8/10 μs) (Note 2)	P _{PK}	1000	W
DC Power Dissipation @ Ta = 25 °C (Note 3)	P _D	385	mW
Derate above 25 °C		4.0	mW/ °C
Thermal Resistance, Junction to Ambient (Note 3)	R _{OJA}	325	°C/W
Thermal Resistance, Junction to Lead (Note 3)	R _{OJL}	26	°C/W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

Notes:

- (1) Non-repetitive current pulse at Ta = 25°C, per waveform of Fig. 2.
- (2) Non-repetitive current pulse at Ta = 25°C, per waveform of Fig. 5.
- (3) Mounted with recommended minimum pad size, DC board FR4.



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TYPE		Marking		Reverse Stand-Off Voltage	Breakdown Voltage Min. @l₁	Breakdow n Voltage Max. @ I _T	Test Current	Revers e Leakag e @V _{RWM}	Maximum Clamping Voltage @IPP	Peak Pulse Curren t
(Uni)	(Bi)	(Uni)	(Bi)	V _{RWM} (V)	V _{BR MIN} (V)	V _{BR MAX} (V)	I _T (mA)	I _R (uA)	V _c (V)	I _{PP} (mA)
SODJ5.0A-MS	SODJ5.0CA-MS	KE	FE	5.0	6.40	7.00	10	400	9.2	21.7
SODJ6.0A-MS	SODJ6.0CA-MS	KG	FG	6.0	6.67	7.00	10	400	10.3	19.4
SODJ6.5A-MS	SODJ6.5CA-MS	KK	FK	6.5	7.22	7.37	10	250	11.2	17.9
SODJ7.0A-MS	SODJ7.0CA-MS	KM	FM	7.0	7.78	8.60	10	100	12.0	16.7
SODJ7.5A-MS	SODJ7.5CA-MS	KP	FM	7.0	8.33	9.21	1.0	50	12.0	15.5
SODJ8.0A-MS	SODJ8.0CA-MS	KR	FR	8.0	8.89	9.21	1.0	25	13.6	14.7
SODJ8.5A-MS	SODJ8.5CA-MS	KT	FT	8.5	9.44	10.4	1.0	10	14.4	13.9
SODJ9.0A-MS	SODJ9.0CA-MS	KV	FV							
SODJ9.0A-IVIS	SODJ9.0CA-MS			9.0	10.0	11.1	1.0	5.0	15.4	13.0
SODJ10A-MS	SODJ11CA-MS	KX KZ	FX FZ	10	11.1	12.3	1.0	2.5	17.0	11.8
SODJ11A-MS	SODJ11CA-MS	LE	HE	11 12	12.2 13.3	13.5 14.7	1.0 1.0	2.5 2.5	18.2 19.9	11.0
SODJ12A-MS	SODJ12CA-MS	LE	HG				-			
SODJ13A-MS	SODJ14CA-MS	LG	HG	13 14	14.4 15.6	15.9 17.2	1.0	1.0	21.5	9.3 8.6
SODJ14A-MS	SODJ14CA-MS	LM	HM	15	16.7	17.2	1.0	1.0	23.2	8.2
SODJ16A-MS	SODJ16CA-MS	LP								
SODJ17A-MS	SODJ17CA-MS		HP	16	17.8	19.7	1.0	1.0	26.0	7.7
SODJ18A-MS	SODJ17CA-MS	LR LT	HR	17	18.9	20.9	1.0	1.0	27.6	7.2
SODJ 16A-MS	SODJ20CA-MS		HT	18	20.0	22.1	1.0	1.0	29.2	6.8
SODJ20A-MS	SODJ20CA-WS	LV	HV	20	22.2	24.5	1.0	1.0	32.4	6.2
SODJ22A-WS SODJ24A-MS	SODJ22CA-WS	LX	HX	22	24.4	26.9	1.0	1.0	35.5	5.6
SODJ24A-WS	SODJ24CA-MS	LZ	HZ	24	26.7	29.5	1.0	1.0	38.9	5.1
SODJ28A-MS	SODJ28CA-MS	ME	JE	26	28.9	31.9	1.0	1.0	42.1	48
SODJ26A-MS	SODJ28CA-WS	MG	JG	28	31.1	34.4	1.0	1.0	45.4	4.4
SODJ33A-MS	SODJ33CA-MS	MK	JK	30	33.3	36.8	1.0	1.0	48.4	4.1
SODJ36A-MS	SODJ36CA-MS	MM	JM JP	33	36.7	40.6	1.0	1.0	53.3	3.8
SODJ40A-MS	SODJ40CA-MS	MP MR	JR	36 40	40.0 44.4	44.2 49.1	1.0 1.0	1.0	58.1 64.5	3.4
SODJ43A-MS	SODJ40CA-MS		JT				-			
SODJ45A-MS	SODJ45CA-MS	MT		43	47.8	52.8	1.0	1.0	69.4	2.9
SODJ43A-WS	SODJ48CA-MS	MV MX	JV	45	50.0	55.3	1.0	1.0	72.7	2.8
SODJ51A-MS	SODJ51CA-MS		JX	48	53.3	58.9	1.0	1.0	77.4	2.6
SODJ51A-WS	SODJ51CA-MS	MZ	JZ	51	56.7	62.7	1.0	1.0	82.4	2.4
SODJ54A-MS	SODJ58CA-MS	NE	XE	54	60.0	66.3	1.0	1.0	87.1	2.3
SODJ60A-MS	SODJ60CA-MS	NG	XG	58	64.4	71.2	1.0	1.0	93.6	2.1
SODJ64A-MS	SODJ64CA-MS	NK NM	XK XM	60	66.7	73.7	1.0	1.0	96.8	1.8
SODJ04A-MS	SODJ70CA-MS	NP	XP	64	71.1	78.6	1.0	1.0		1.7
SODJ70A-MS	SODJ75CA-MS			70	77.8	86.0	1.0	1.0	113	1.5
SODJ75A-MS	SODJ75CA-MS	NR	XR	75 70	83.3	92.1	1.0	1.0	121	1.4
SODJ76A-MS	SODJ76CA-MS	NT NV	XT	78	86.7	95.8	1.0	1.0	126	1.4
		NV	XB	85	94.4	104	1.0	1.0	137	1.3
SODJ90A-MS SODJ100A-MS	SODJ90CA-MS SODJ100CA-MS	NX	XX	90	100	111	1.0	1.0	146	1.2
SODJ100A-MS SODJ110A-MS	SODJ100CA-MS	NZ	XZ	100	111	123	1.0	1.0	162	1.1
SODJ110A-MS	SODJ110CA-MS	PE	TE	110	122	135	1.0	1.0	177	1.0
SODJ120A-MS SODJ130A-MS	SODJ120CA-MS	PG	TG	120	133	147	1.0	1.0	193	0.9
SODJ130A-MS SODJ150A-MS	SODJ130CA-MS	PK	TK	130	144	159	1.0	1.0	209	0.8
		PM	TM	150	167	185	1.0	1.0	243	0.7
SODJ160A-MS SODJ170A-MS	SODJ160CA-MS SODJ170CA-MS	PP PR	TP TR	160 170	178 189	197 209	1.0	1.0	259 275	0.7



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