

Surface Mount Switching Diodes

350mW Switching Diodes/SOT23

Type Number	Marking Code*	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop		Capacitance $V_R = V_F = 0$	Reverse Recovery Time	Max. Power Dissipation @ $T_A = 25^\circ\text{C}$	Pin Identity See Figs. Page 5
		PRV	I_R	@ V_R	V_F	@ I_F	C max.	T_{rr} max.		
		V_{PK}	μA	V	V	mA	pF	ns	mW	
BAS16	A6	85	1.0	75	0.855	10	2.0	6.0	350	Fig.1
BAV70	JJ	70	5.0	70	0.855	10	1.5	6.0	350	Fig.2
BAV99	JE	70	2.5	70	0.855	10	1.5	6.0	350	Fig.3
BAW56	JD	70	2.5	70	0.855	10	2.0	6.0	350	Fig.4
BAL99	JF	70	2.5	70	0.855	10	1.5	6.0	350	Fig.5
IMBD4148	A2	100	2.5	70	1.0	10	4.0	4.0	350	Fig.1
IMBD4448	A3	100	2.5	70	1.0	100	4.0	4.0	350	Fig.1

* Alternate Marking Codes May Apply. See Individual Type Data Sheet.
Values are for one diode.

OPERATING/STORAGE TEMPERATURE -65°C to $+150^\circ\text{C}$

400mW/MiniMELF

Type Number	Peak Reverse Voltage	Max. Average Output Current	Maximum Forward Voltage Drop		Maximum Reverse Current @ 25°C		Max. Reverse Recovery Time
	PRV	I_{AV}	V_F	@ I_F	I_R	@ V_R	T_{RR}
	V_{PK}	mA	Volts	mA	nA	Volts	ns
BAV100	60	200	1.0	100	100	50	50*
BAV101	120	200	1.0	100	100	100	50*
BAV102	200	200	1.0	100	100	150	50*
BAV103	250	200	1.0	100	100	200	50*

*Test Conditions: $I_F = I_R = 30\text{mA}$, $R_L = 100\Omega$, $I_{rr} = 1.0\text{mA}$

500mW/MiniMELF

Type Number	Peak Reverse Voltage	Reverse Current max. @		Forward Voltage max. @		Capacitance	Reverse Recovery Time	Power Dissipation
	PRV	I_R	V_R	V_F	I_F	C_{TOT}	T_{RR}	P_d
	V_{PK}	μA	Volts	V	mA	pF	ns	mW
DL/LL4148	100	5000	75	1.0	10	4.0	4.0	500
DL/LL4151	75	50	50	1.0	50	2.0	2.0	500
DL/LL4154	35	100	25	1.0	30	4.0	2.0	500
DL/LL4448	100	5000	75	1.0	100	4.0	4.0	500
DL/LL4454	75	100	50	1.0	10	2.0	4.0	500

OPERATING/STORAGE TEMPERATURE -65°C to $+175^\circ\text{C}$

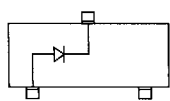


FIG. 1

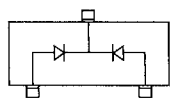


FIG. 2

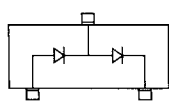


FIG. 3

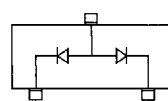


FIG. 4

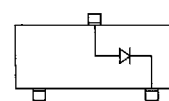


FIG. 5

TOP VIEW