

### MMBD4148TW /BAS16TW SWITCHING DIODE

#### FEATURES

Power dissipation

$P_D$ : 200 mW ( $T_{amb}=25^\circ C$ )

Collector current

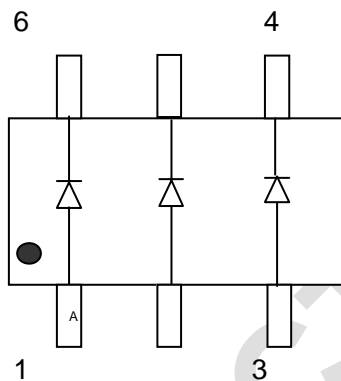
$I_O$ : 150 mA

Collector-base voltage

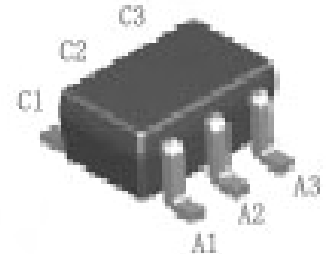
$V_R$ : 75 V

Operating and storage junction temperature range

$T_J, T_{stg}$ :  $-55^\circ C$  to  $+150^\circ C$



### SOT-363



MAKING: KA2

#### ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^\circ C$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R=100\mu A$	75		V
Reverse voltage leakage current	$I_R$	$V_R=75V$ $V_R=20V$		1 0.025	$\mu A$
Forward voltage	$V_F$	$I_F=1mA$ $I_F=10mA$ $I_F=50mA$ $I_F=150mA$		0.715 0.855 1 1.25	V
Total capacitance	$C_T$	$V_R=0V, f=1MHz$		2	pF
Reverses recovery time	$t_{rr}$	$I_F=I_R=10mA$ $I_{rr}=0.1 \times I_R, R_L=100\Omega$		4	nS