

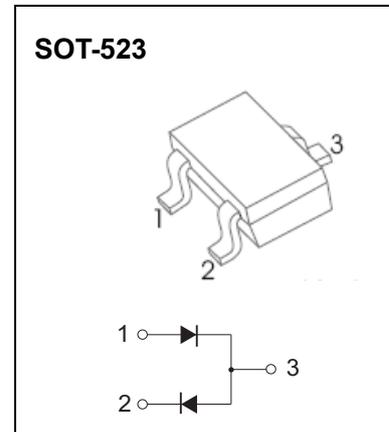
## Plastic-Encapsulate Diode

SWITCHING DIODE

### FEATURES

- Small surface mounting type
- Two diode elements are connected in series

MARKING:BA1



### Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	$V_{RM}$	80	V
DC Blocking Voltage	$V_R$	80	V
Forward Continuous Current	$I_{FM}$	300	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	$I_{FSM}$	2.0	A
Average Rectified Output Current	$I_O$	100	mA
Power Dissipation	$P_D$	200	mW
Thermal resistance From Junction to ambient	$R_{\theta JA}$	625	°C/W
Junction Temperature	$T_J$	150	°C
Storage Temperature Range	$T_{STG}$	-55~+150	°C

### ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 100\mu A$	80		V
Reverse voltage leakage current	$I_R$	$V_R = 70V$		0.2	$\mu A$
Forward voltage	$V_F$	$I_F = 100mA$		1.2	V

## Typical Characteristics

