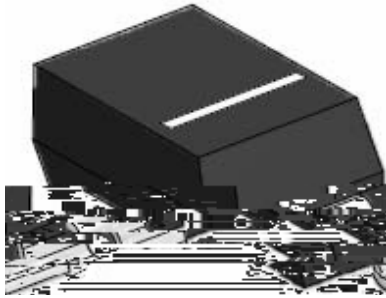


Small-Signal Fast Switching Diodes



Features

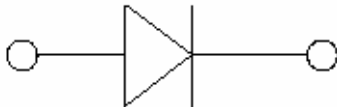
- V_R 100V
- I_{FAV} 200mA

Typical Applications

- Low-Leakage

Mechanical Data

- **Package:** SOD323
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** D4



■Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		85
Reverse voltage	V_R	V		100
Peak forward surge current	I_{FSM}	A	Non-Repetitive $t = 1 \mu s$	4
Average forward current	I_{FAV}	mA		200
Power dissipation	P_{tot}	mW		250
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	$^{\circ}C / W$		500
Maximum junction temperature	T_j			150
Storage temperature range	T_{stg}			-55 to +150

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V_R	V	$I_R=100\mu A$	100	

Forward Voltage V_F V

Capacitance	C	pF	$V_R=0V, f=1MHz$		4
Reverse Recovery Time	T_{rr}	us	$I_F=I_R=10mA$ $I_{rr}=0.1 \cdot I_R$, $R_L=100\Omega$		3



BAS416

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY
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