



BAS716

Small-Signal Fast Switching Diodes

Features

- V_R 75V
- $I_{F(AV)}$ 200mA

Typical Applications

- Fast Switching Speed

Mechanical Data

- **Package:** SOD523
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** S1

■ **Maximum Ratings** ($T_a=25$ Unless

1

« Peak forward surge current

	I_{FSM}	A	Pulse width=1ms	1
Average forward current	I_{FAV}	mA		200
Power dissipation	P_{tot}	mW		200
Maximum junction temperature	T_j			150
Storage temperature range	T_{stg}			-55 to +150

Electrical Characteristics $T_a=25$ Unless otherwise specified

					Min	Max
Breakdown Voltage	V_R	V	$I_R=100\mu A$		75	
Forward Voltage	V_F	V	$I_F=1mA$			0.9
			$I_F=10mA$			1.0
			$I_F=50mA$			1.1
			$I_F=150mA$			1.25
Reverse Leakage Current	I_R	nA	$V_R=75V$			5



■Ordering Information (Example)



■ Outline Dimensions

■ Soldering Footprint



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