

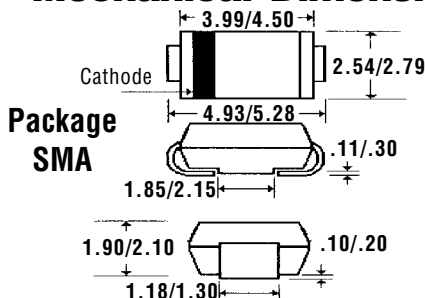


**SMAL101 . . . 110 Series**

## Description



## Mechanical Dimensions



## Features

- **LOWEST COST**
- **HIGH CURRENT CAPABILITY**
- **HIGH SURGE CAPABILITY**
- **LOW FORWARD VOLTAGE WITH LOW LEAKAGE CURRENT**
- **MEETS UL SPECIFICATION 94V-0**

Electrical Characteristics @ 25°C.	<i>SMAL101 . . . 110 Series</i>						Units
Maximum Ratings	SMAL101	SMAL102	SMAL104	SMAL106	SMAL108	SMAL110	
Peak Repetitive Reverse Voltage... $V_{RRM}$	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	70	140	280	420	560	700	Volts
DC Blocking Voltage... $V_{DC}$	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$	.....			1.0	.....		Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$	.....			30	.....		Amps
Forward Voltage... $V_F$	.....			1.1	.....		Volts
Full Load Reverse Current... $I_{R(av)}$	.....			30	.....		μAmps
DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	.....			5.0	.....		μAmps
	.....			50	.....		μAmps
Typical Junction Capacitance... $C_j$ (Note 1)	.....			15	.....		pF
Operating & Storage Temperature Range... $T_J, T_{STRG}$	.....			-55 to 150	.....		°C