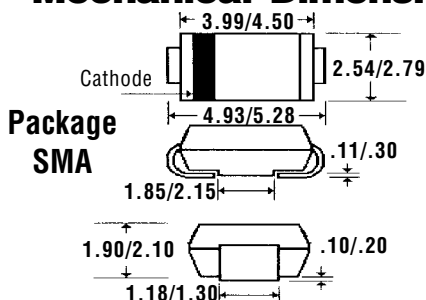


**Description****Mechanical Dimensions****Features**

- **LOWEST COST**
- **HIGH CURRENT CAPABILITY**
- **HIGH SURGE CAPABILITY**

- **LOW FORWARD VOLTAGE WITH
LOW LEAKAGE CURRENT**
- **MEETS UL SPECIFICATION 94V-0**

Electrical Characteristics @ 25°C.	SMAL101 . . . 110 Series						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
T _A = 25°C	.....			50	.....		μAmps
T _A =125°C	.....			50	.....		μAmps
Typical Junction Capacitance...C _J (Note 1)	.....			15	.....		pF
Operating & Storage Temperature Range...T _J , T _{STRG}	.....			-55 to 150	.....		°C