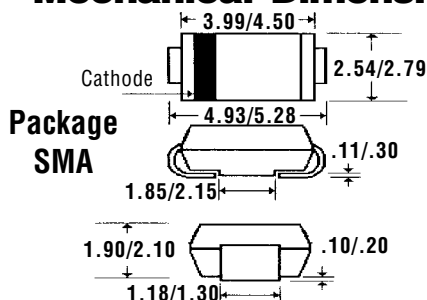


**Description****Mechanical Dimensions****Features**

- **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	$T_A = 25^\circ\text{C}$	5.0						μAmps
	$T_A = 125^\circ\text{C}$	50						μAmps
Typical Junction Capacitance... C_j (Note 1)		15						pF
Operating & Storage Temperature Range... T_J, T_{STRG}		-55 to 150						°C