



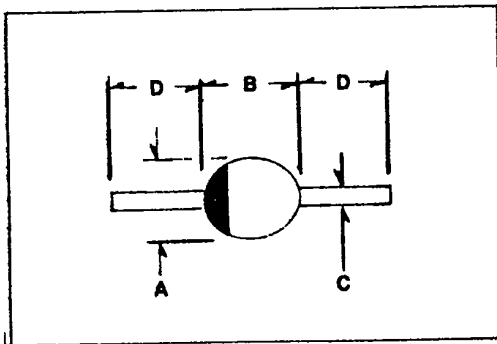
**ELECTRICAL CHARACTERISTICS**

Characteristics	Symbol	Value	Unit
Max Full Cycle Forward Voltage Drop, Averaged Over Full Cycle ( $I_O$ (Max), 60 Hz, Square Wave, $T_C = 55^\circ\text{C}$ )	$V_F(AV)$	.68	Vdc
Max Instantaneous Forward Voltage Drop ( $I_F = 3$ Adc, $T_C = 25^\circ\text{C}$ , 300 $\mu\text{s}$ Pulse)	$V_F$	1.35	Vdc
Max Full Cycle Reverse Leakage Current, Averaged Over Full Cycle (Rated $V_R$ 60Hz, Square Wave, $T_C = 100^\circ\text{C}$ )	$I_R(AV)$	1000	$\mu\text{Adc}$
Max Reverse Leakage Current (Rated $V_R$ , $T_C = 25^\circ\text{C}$ )	$I_R$	10	$\mu\text{Adc}$
Max Junction Capacitance ( $V_R = 10$ V, $T_C = 25^\circ\text{C}$ )	$C_J$	50	pf

**REVERSE RECOVERY CHARACTERISTICS**

Characteristics	Symbol	Min	Typ	Max	Unit
Reverse Recovery Time ( $I_F = 500\text{ma}$ , $I_R = 1\text{A}$ , $I_{RR} = 250\text{ma}$ )	$t_{rr}$	-	35	40	ns

**PHYSICAL DIMENSIONS**



SHF1302 thru SHF1306

**KEY TO DIMENSIONS:**

(Inches)

- A = .250 Max.
- B = .260 Max.
- C = .048 - .052
- D = 1.00 Min.

**TYPICAL OPERATING CURVES**

Output Current vs Ambient Temperature

