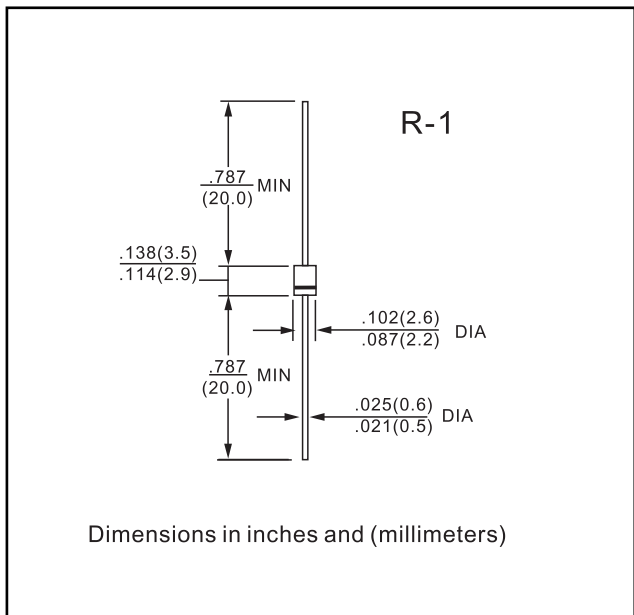




**FEATURES**

- Low  $V_f$
- Super high speed switching
- High reliability by planer design
- Ultra small package, possible for 5mm pitch automatic insertion



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

• Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$		90	V
Average forward current	$I_{F(AV)}$	Resistive load $T_I=110^{\circ}C$	1.0	A
Surge current	$I_{FSM}$	Sine wave 10ms	30	A
Operating junction temperature	$T_j$		-40 to +150	$^{\circ}C$
Storage temperature	$T_{stg}$		-40 to +150	$^{\circ}C$

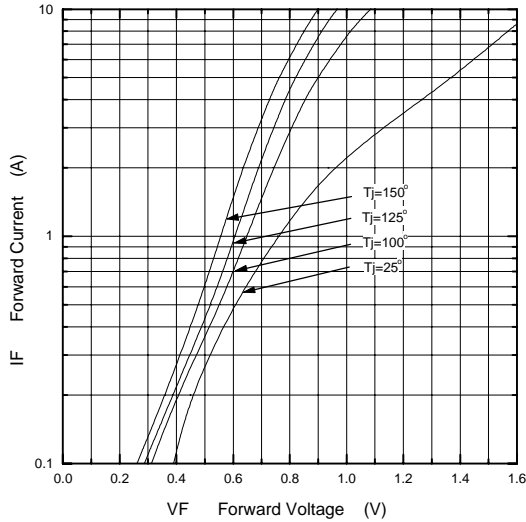
• Electrical characteristics ( $T_a=25^{\circ}C$  Unless otherwise specified )

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_{FM}$	$I_{FM}=1.0A$	0.82	V
Reverse current	$I_{RRM}$	$V_R=V_{RRM}$	1.0	mA

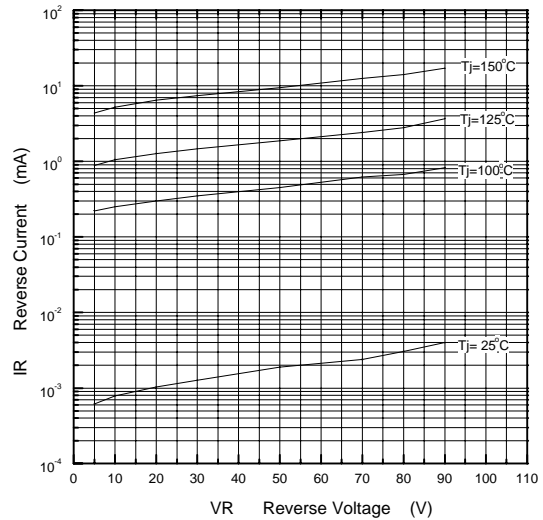


RATINGS AND CHARACTERISTIC CURVES ERA85-009

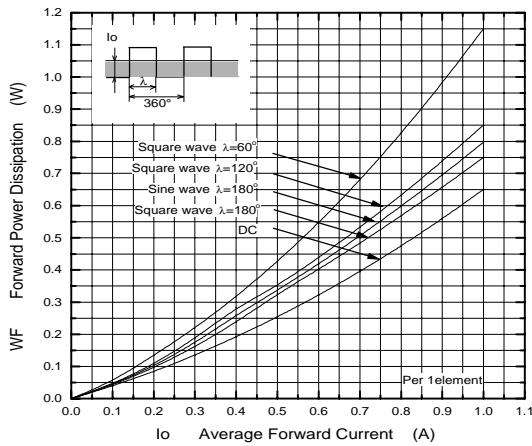
Forward Characteristic (typ.)



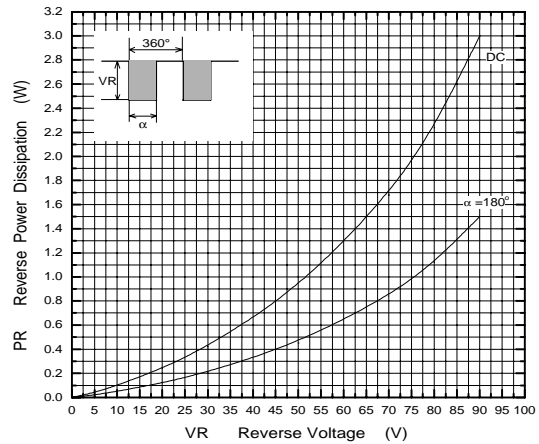
Reverse Characteristic (typ.)



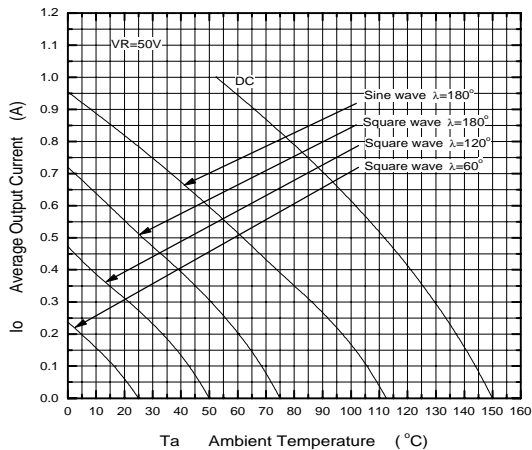
Forward Power Dissipation



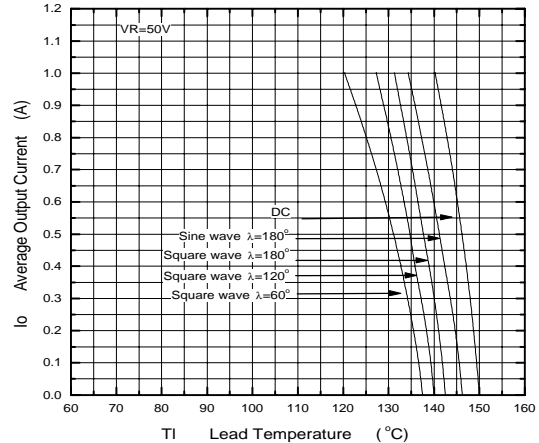
Reverse Power Dissipation



Current Derating (Io-Ta)



Current Derating (Io-Tl)





**TAYCHIPST**

**SCHOTTKY BARRIER DIODE**

**ERA85-009**

**90V 1.0A**

