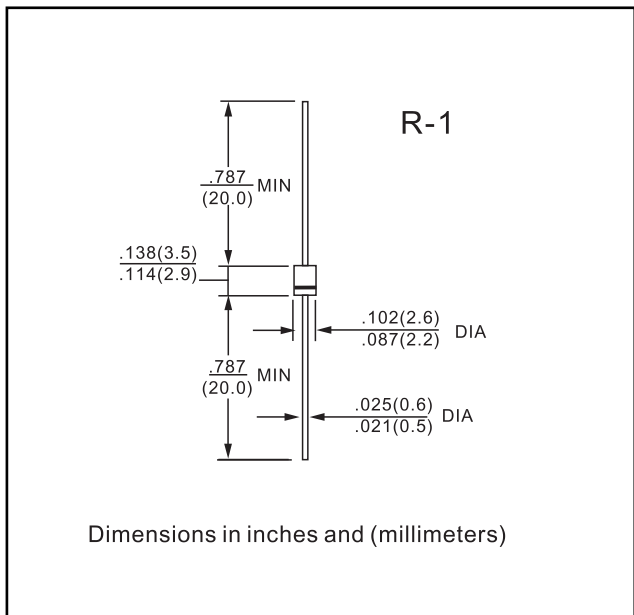




FEATURES

- 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	$^{\circ}C$

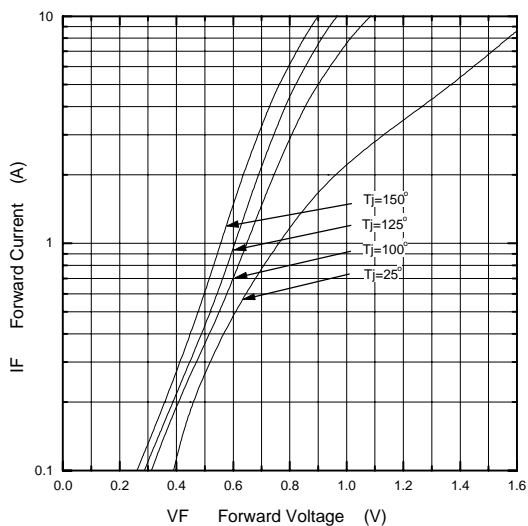
• Electrical characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

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

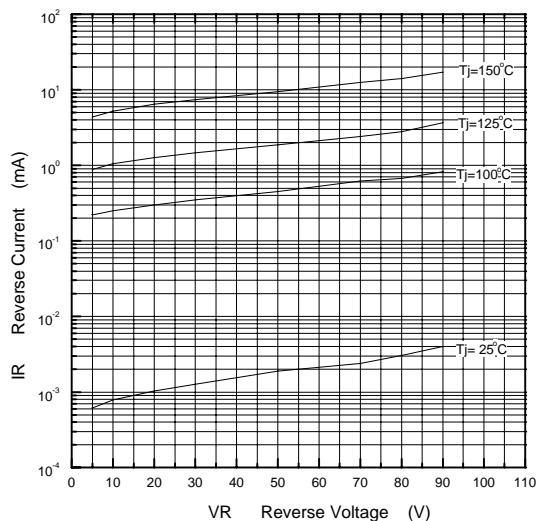


RATINGS AND CHARACTERISTIC CURVES ERA85-009

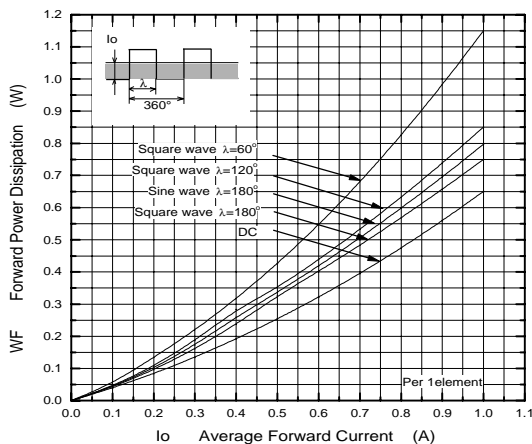
Forward Characteristic (typ.)



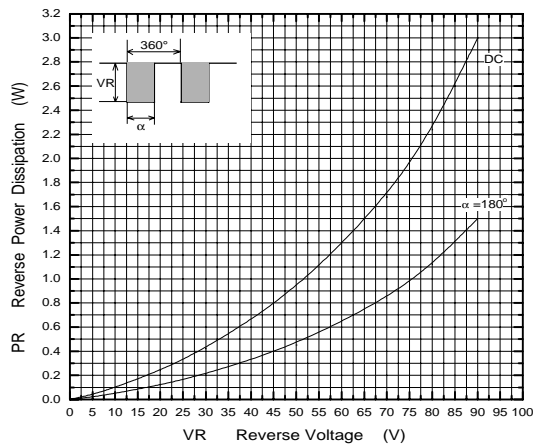
Reverse Characteristic (typ.)



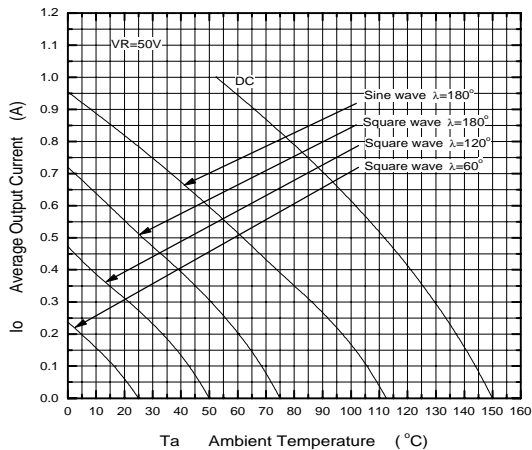
Forward Power Dissipation



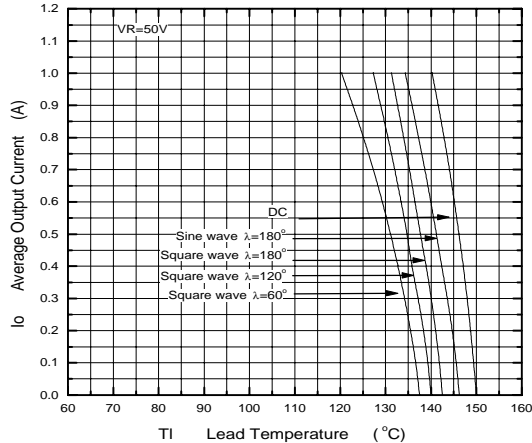
Reverse Power Dissipation



Current Derating (Io-Ta)



Current Derating (Io-Tl)





TAYCHIPST

SCHOTTKY BARRIER DIODE

ERA85-009

90V 1.0A

