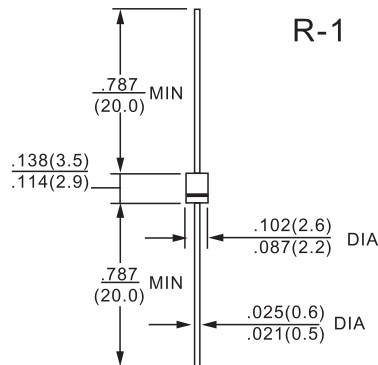


FEATURES

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



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

• Absolute maximum ratings

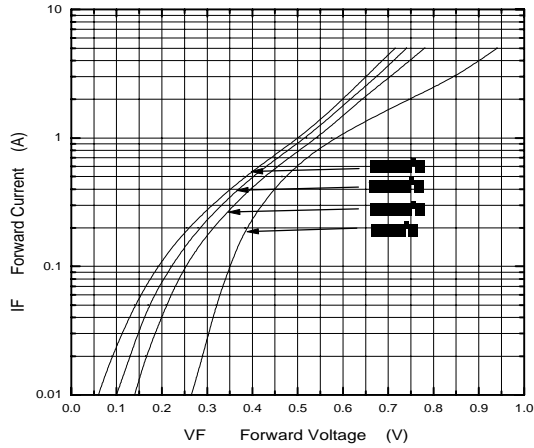
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		40	V
Average forward current	$I_{F(AV)}$	Resistive load $T_a=60^{\circ}\text{C}$	0.6	A
Surge current	I_{FSM}	Sine wave 10ms	25	A
Operating junction temperature	T_j		-40 to +150	$^{\circ}\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^{\circ}\text{C}$

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

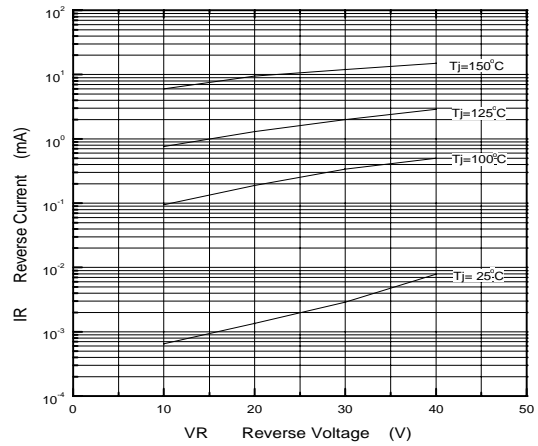
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=0.6\text{A}$	0.55	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	1.0	mA

RATINGS AND CHARACTERISTIC CURVES ERA82-004

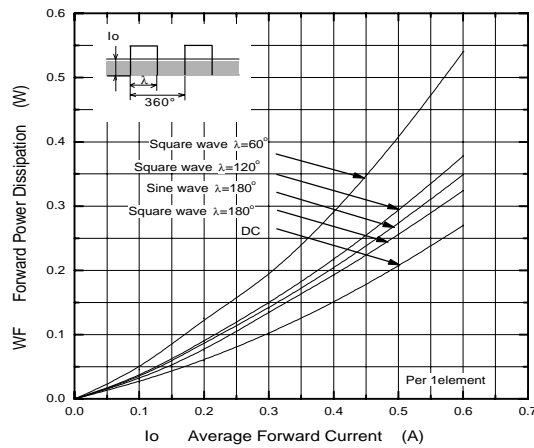
Forward Characteristic (typ.)



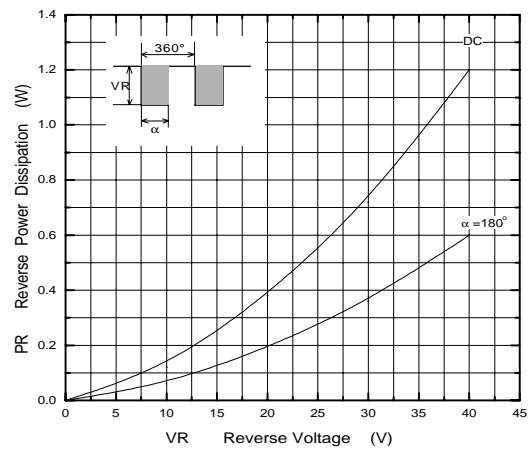
Reverse Characteristic (typ.)



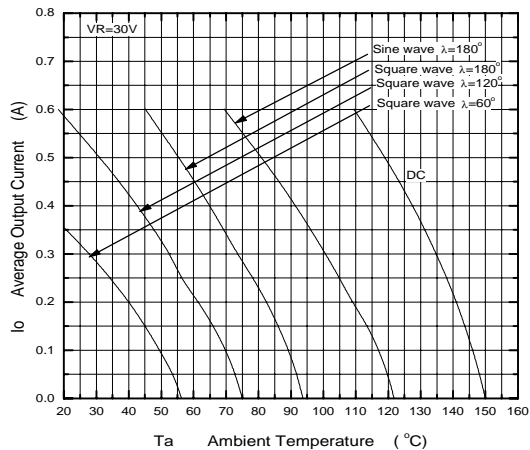
Forward Power Dissipation



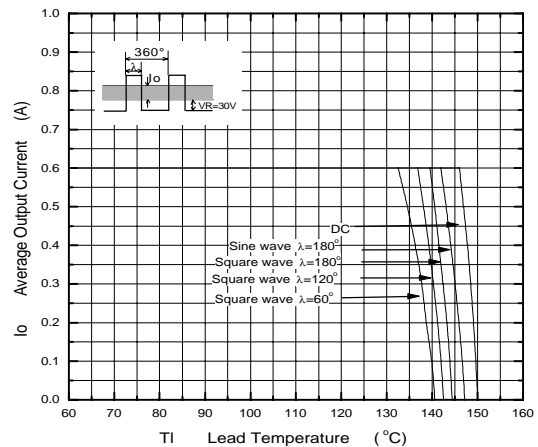
Reverse Power Dissipation



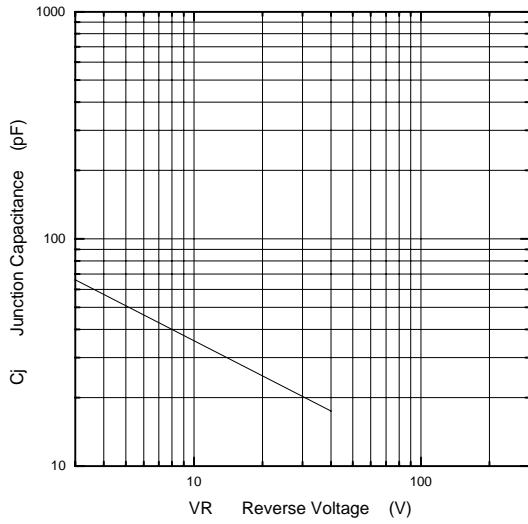
Current Derating (Io-Ta)



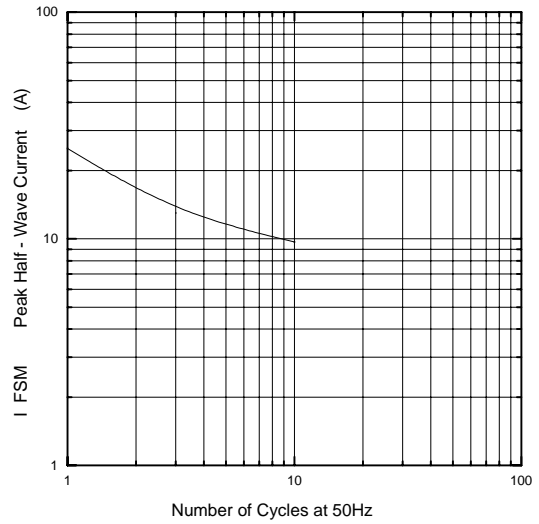
Current Derating (Io-Tl)



Junction Capacitance Characteristic (typ.)



Surge Capability



Transient Thermal Impedance

