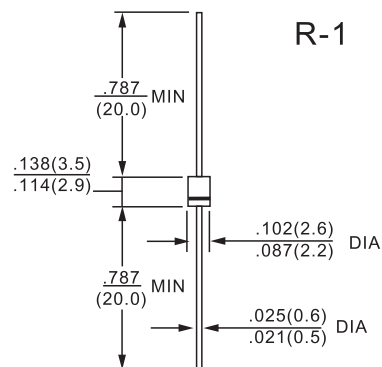


FEATURES

- Low V_F
- 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

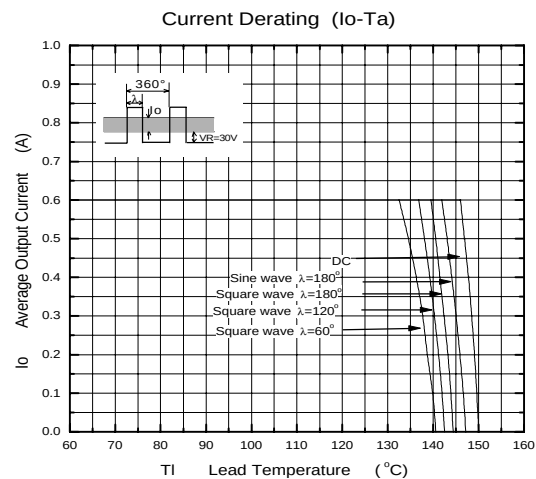
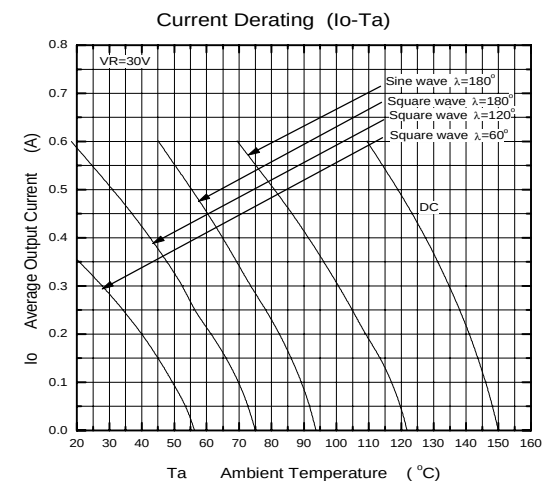
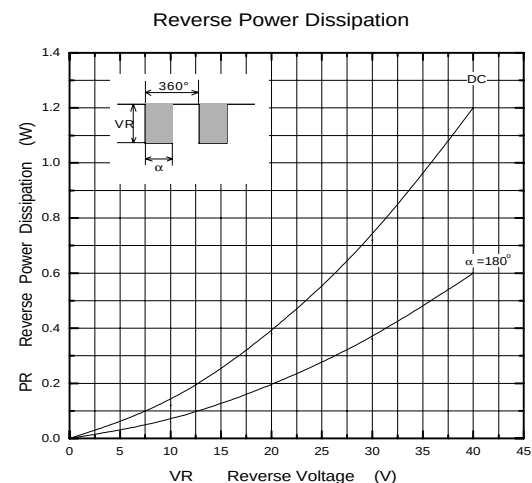
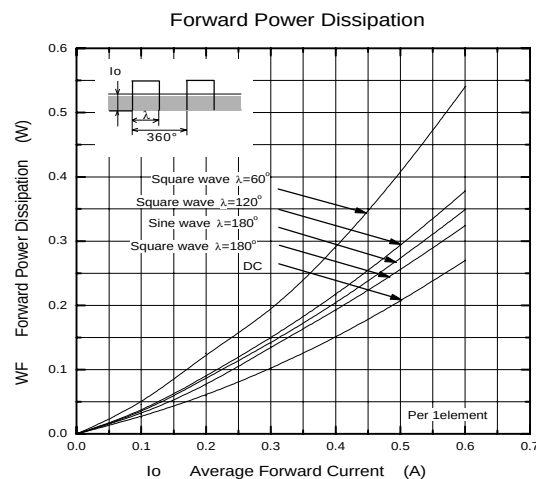
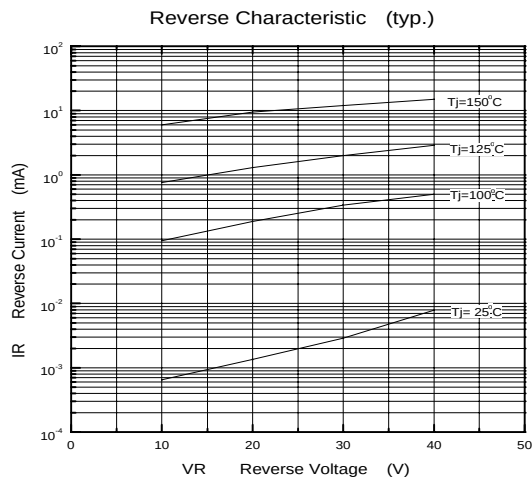
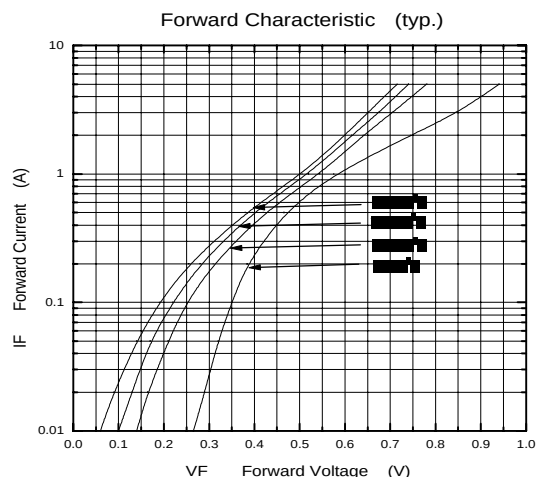
• Absolute maximum ratings

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





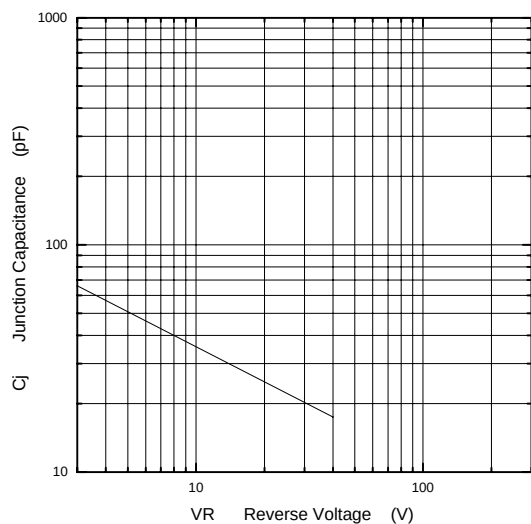
TAYCHIPST

SCHOTTKY BARRIER DIODE

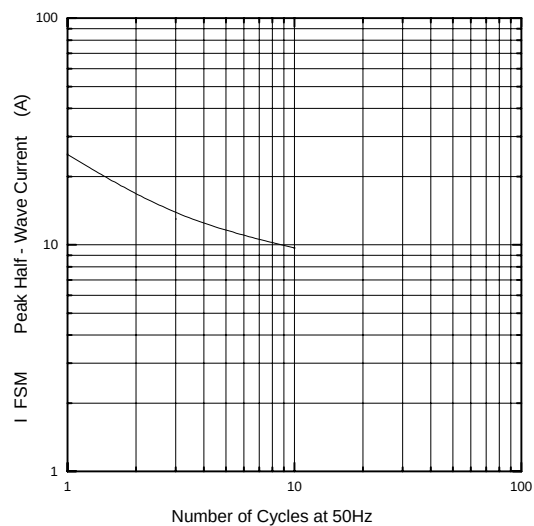
ERA82-004

40V 0.6A

Junction Capacitance Characteristic (typ.)



Surge Capability



Transient Thermal Impedance

