



TAYCHIPST



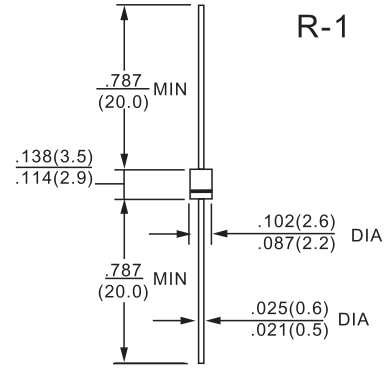
SCHOTTKY BARRIER DIODE

ERA82-004

40V 0.6A

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 $T_a=60^{\circ}C$	0.6	A
Surge current	I_{FSM}	Sine wave 10ms	25	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}	$I_{FM}=0.6A$	0.55	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	1.0	mA





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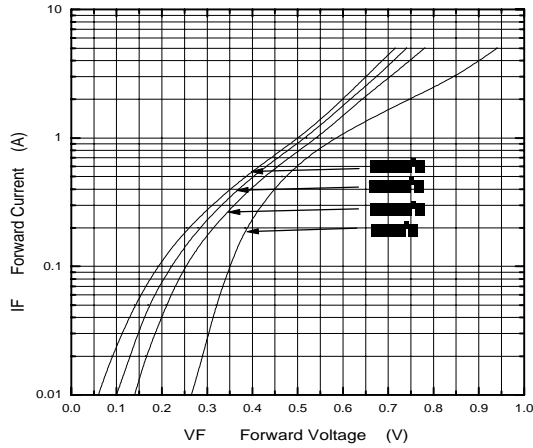
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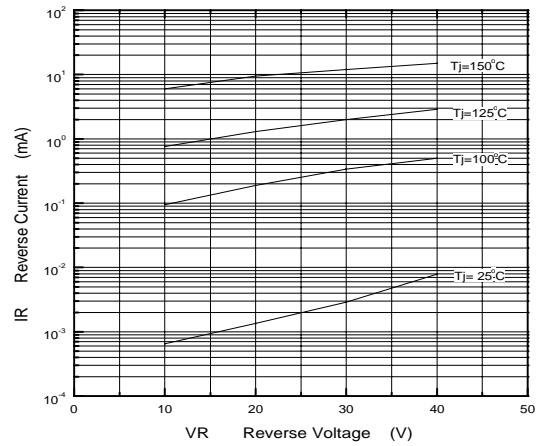
40V 0.6A

RATINGS AND CHARACTERISTIC CURVES ERA82-004

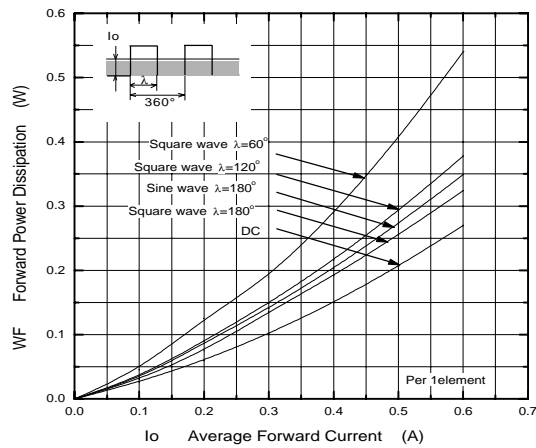
Forward Characteristic (typ.)



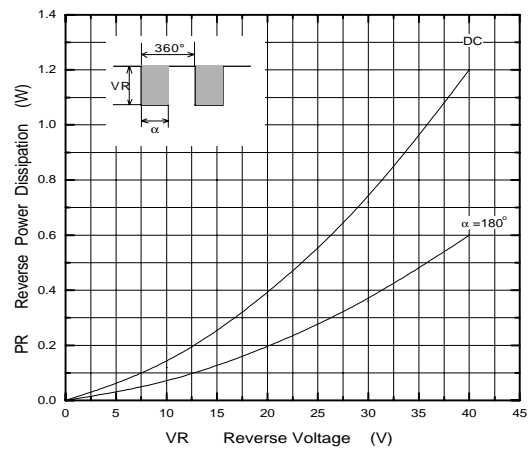
Reverse Characteristic (typ.)



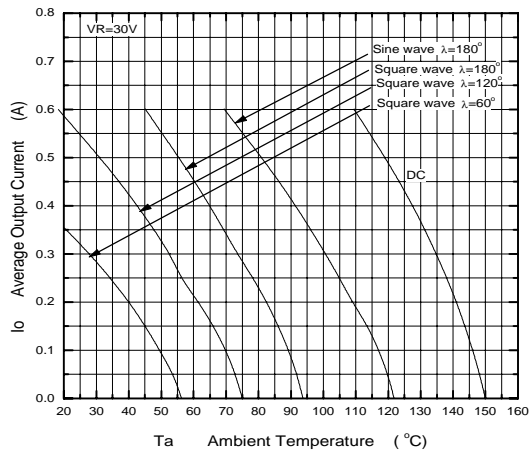
Forward Power Dissipation



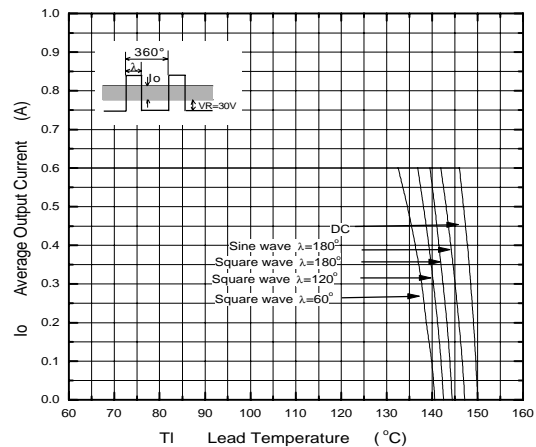
Reverse Power Dissipation



Current Derating (Io-Ta)

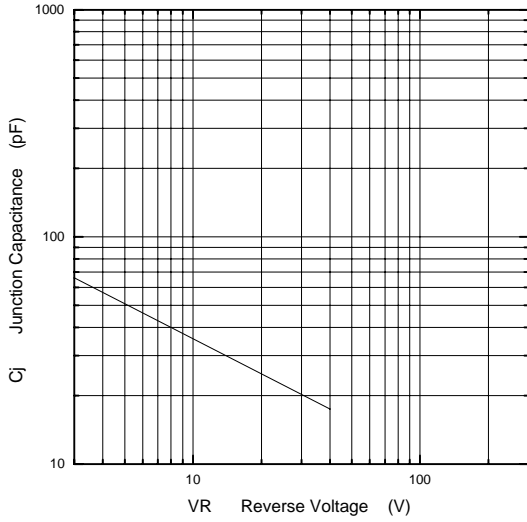


Current Derating (Io-Tl)

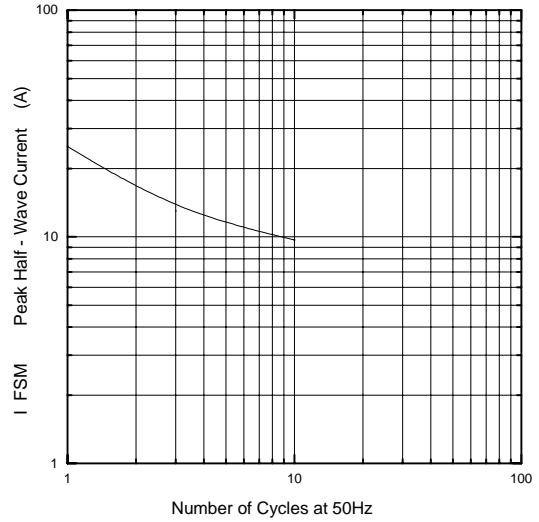




Junction Capacitance Characteristic (typ.)



Surge Capability



Transient Thermal Impedance

