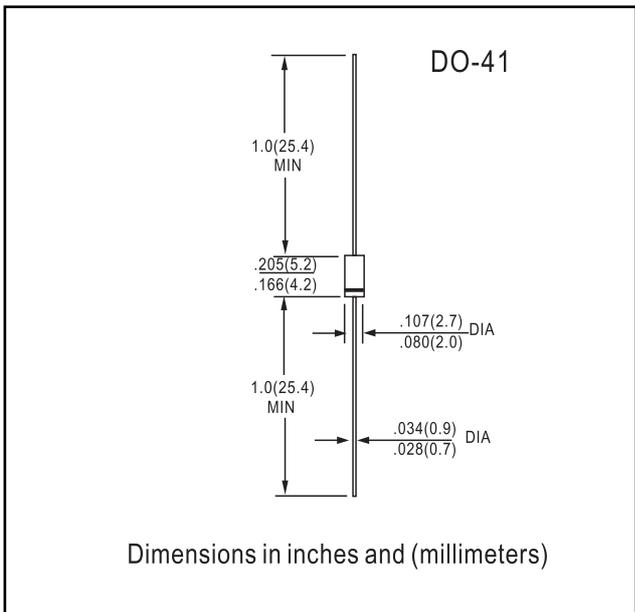




**FEATURES**

- Low VF
- Super high speed switching
- High reliability by planer design



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

• Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$		60	V
Average forward current	$I_{F(AV)}$	Square wave, duty=1/2 $T_I=104^{\circ}C$	2.0	A
Surge current	$I_{FSM}$	Sine wave 10ms	60	A
Operating junction temperature	$T_j$		-40 to +150	$^{\circ}C$
Storage temperature	$T_{stg}$		-40 to +150	$^{\circ}C$

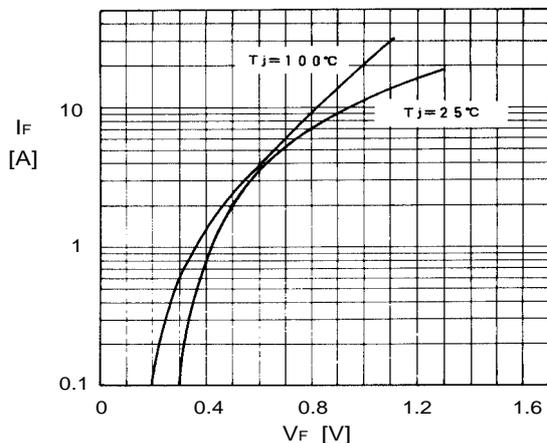
• Electrical characteristics ( $T_a=25^{\circ}C$  Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_{FM}$	$I_{FM}=2.0A$	0.58	V
Reverse current	$I_{RRM}$	$V_R=V_{RRM}$	5.0	mA

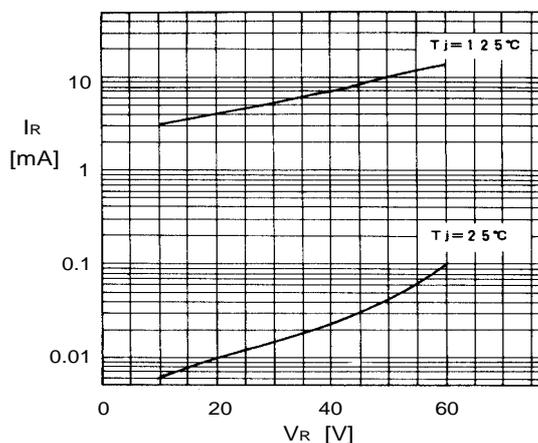


RATINGS AND CHARACTERISTIC CURVES ERB83-006

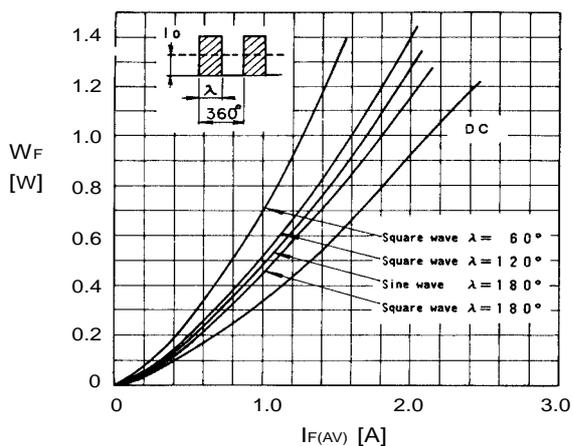
Forward characteristics



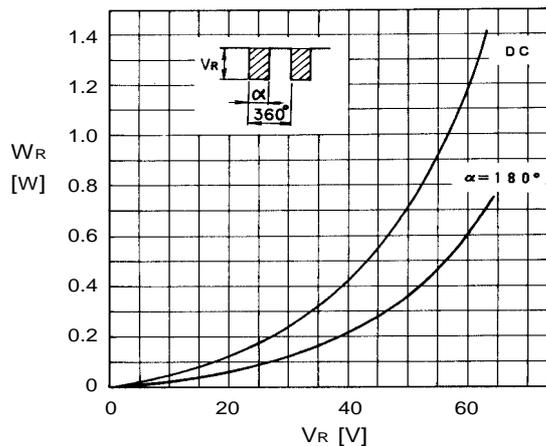
Reverse characteristics



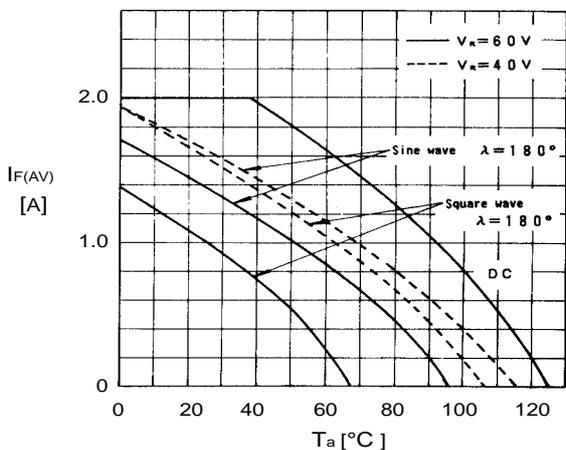
Forward power dissipation



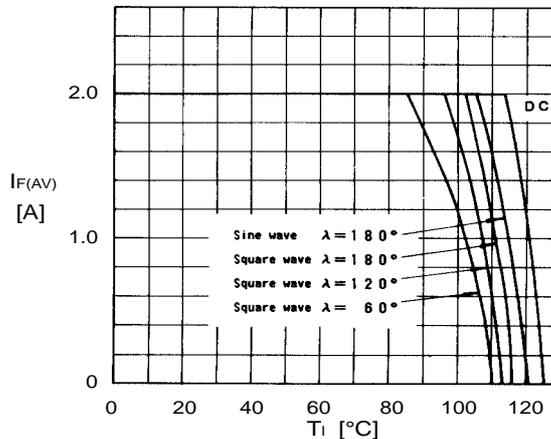
Reverse power dissipation



Current derating ( $I_{F(AV)}-T_a$ )



Current derating ( $I_{F(AV)}-T_i$ )





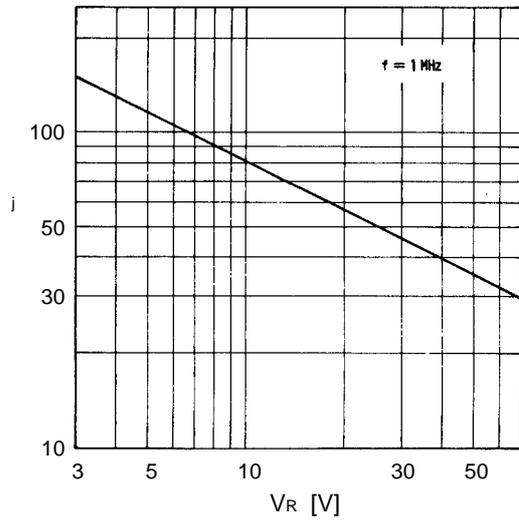
**TAYCHIPST**

**SCHOTTKY BARRIER DIODE**

**ERA82-004**

40V 0.6A

Junction capacitance characteristics



Surge capability

