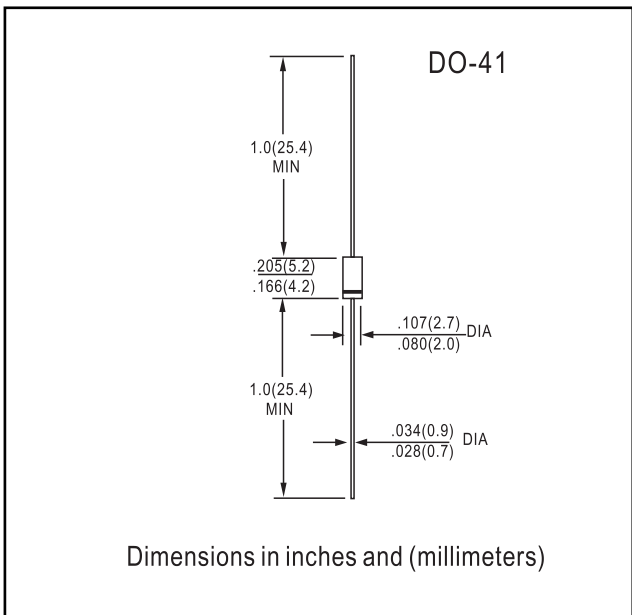




FEATURES

- 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	$^{\circ}C$

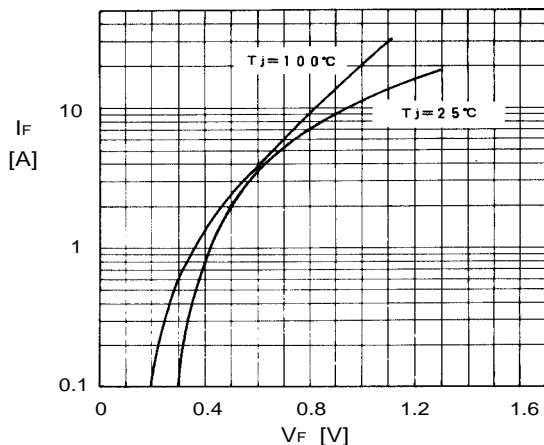
• Electrical characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

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

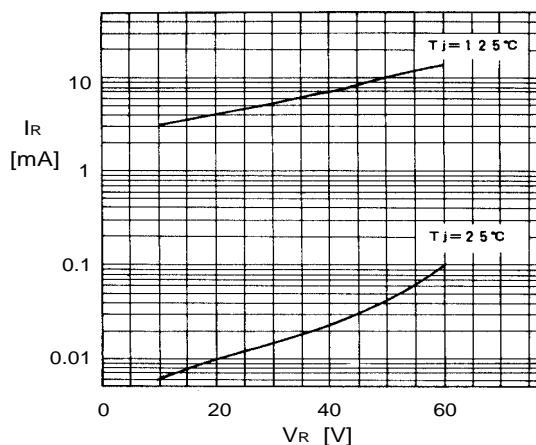


RATINGS AND CHARACTERISTIC CURVES ERB83-006

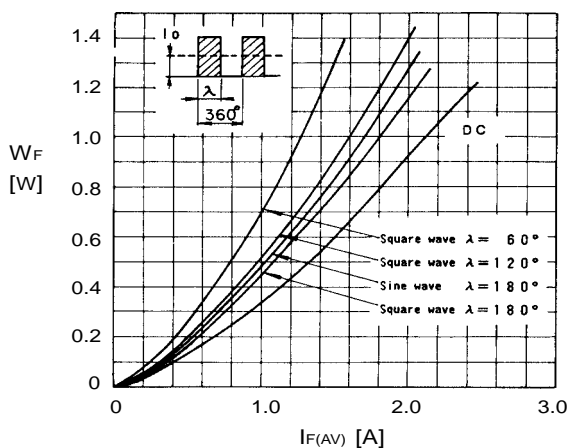
Forward characteristics



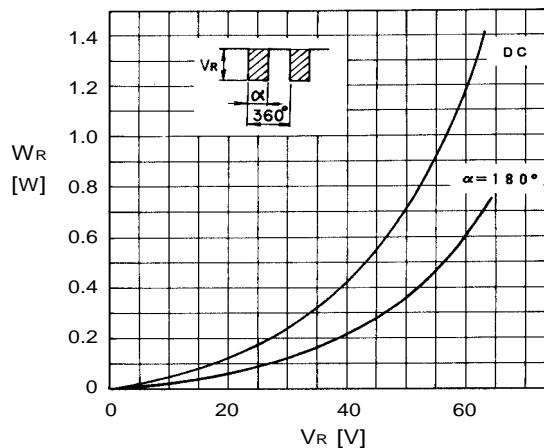
Reverse characteristics



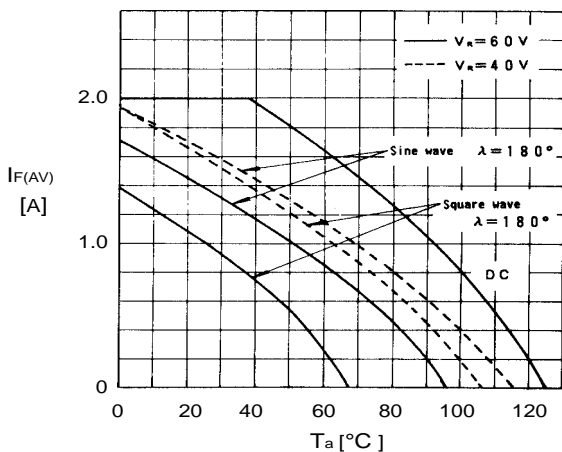
Forward power dissipation



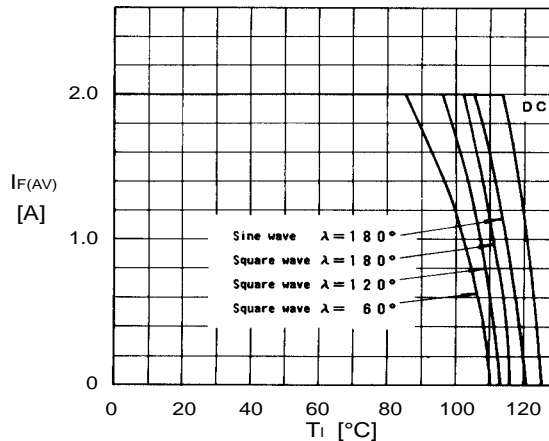
Reverse power dissipation



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



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





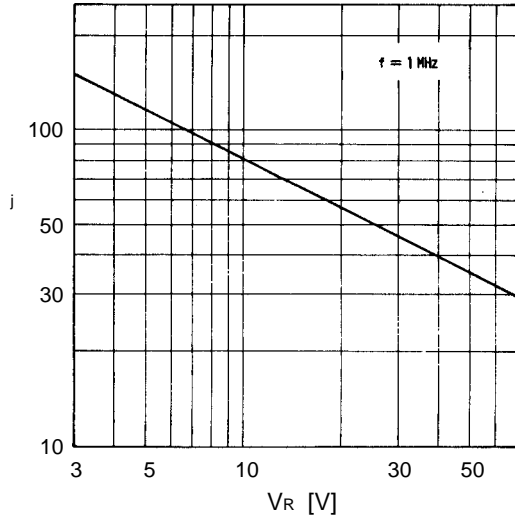
TAYCHIPST

SCHOTTKY BARRIER DIODE

ERA82-004

40V 0.6A

Junction capacitance characteristics



Surge capability

