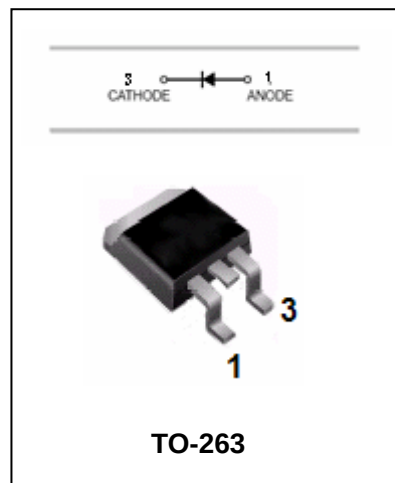


Super Fast Rectifiers

MUR1040B

FEATURES

- Low cost.
- Low Leakage.
- Low Forward Voltage Drop.
- High Current Capability.
- Easily cleaned with Alcohol, Isopropanol and Similar solvents.
- The plastic material carries U/L recognition 94V-0.



MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	MUR1040B	Unit
V_{RRM}	Recurrent Peak Reverse Voltage	400	V
V_{RMS}	RMS Voltage	280	V
V_{DC}	DC Blocking Voltage	400	V
$I_{F(AV)}$	Average Forward Rectified Current @ $T_A=100^\circ\text{C}$	10	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half-sine-wave superimposed on Rsted Load	125	A
T_j T_{stg}	Operating Junction and Storage Temperature Range	-55 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS@ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	MUR1040B	UNIT
			MAX	
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25^\circ\text{C}$ $V_R=V_{RRM}, T_A=150^\circ\text{C}$	10 500	μA
Forward Voltage	V_F	$I_F=10\text{A}$	1.3	V
Reverse Recovery Time	t_{rr}	$I_F=0.5\text{A}, I_R=1\text{A}, I_{rr}=0.25\text{A}$	50	ns

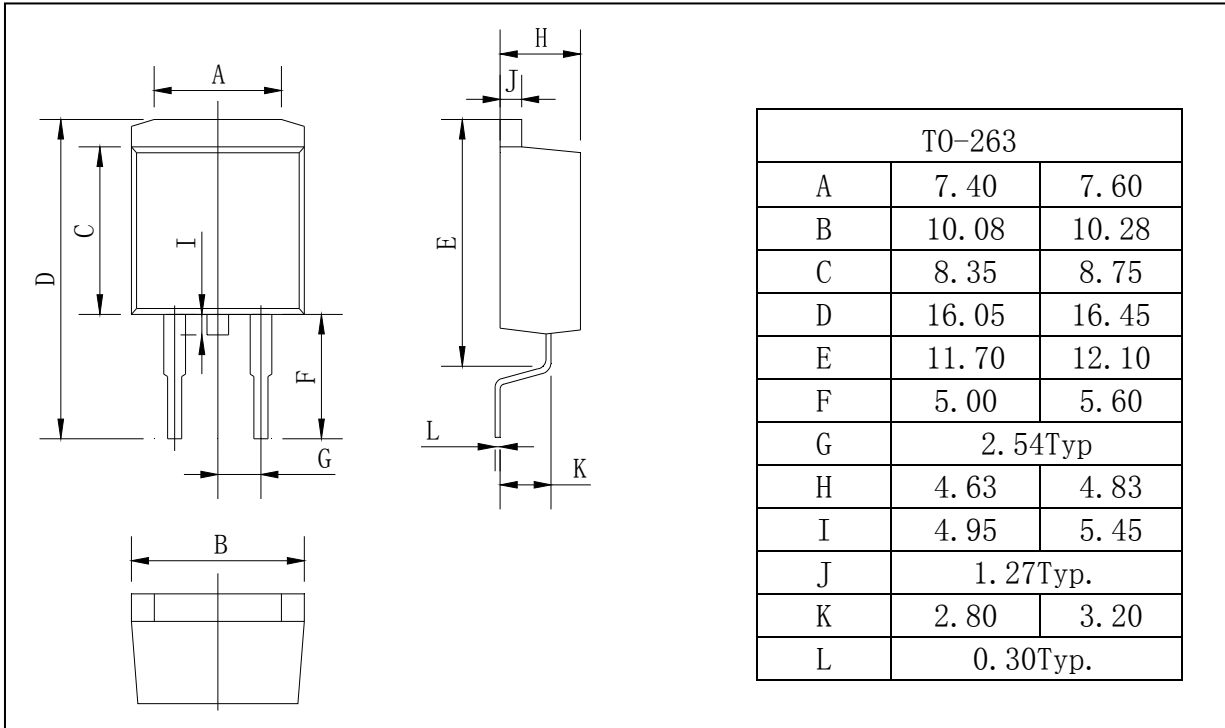
Super Fast Rectifiers

MUR1040B

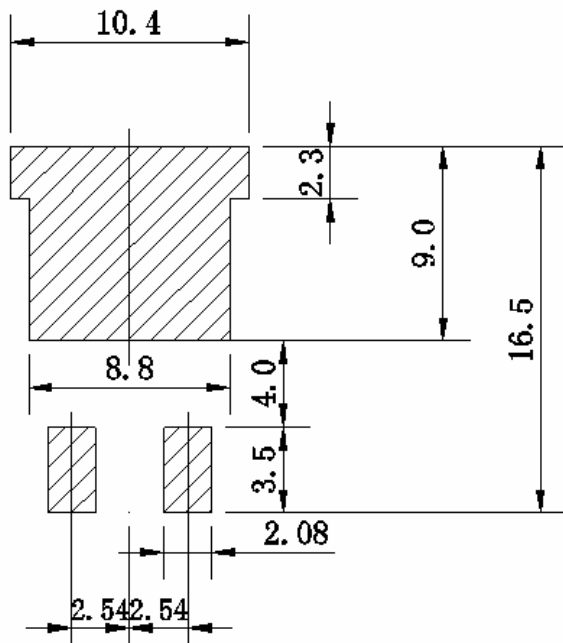
PACKAGE OUTLINE

Plastic surface mounted package

TO-263



SOLDERING FOOTPRINT



Unit:mm