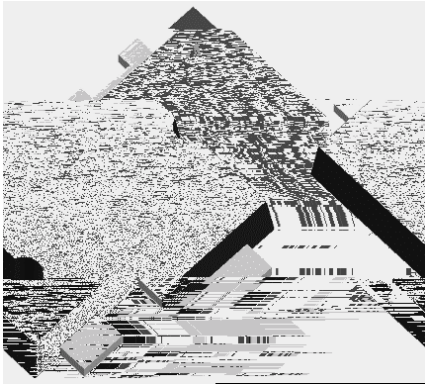




Schottky Rectifier



Features

Ideal for automated placement

Low power losses

H 2t2 i 2 j

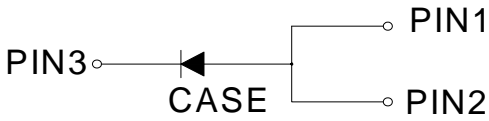
4

Mechanical Data

Package: TO-277

Molding compound meets UL 94 V-0 flammability rating,
RoHS-compliant, Halogen free

Terminals: Tin plated leads, solderable per
J-STD-002 and JESD22-B102



Maximum Ratings (T_a=25 Unless otherwise specified)

PARAMETER	M	m	SS15U45
Device marking code			SS15U45
Repetitive Peak Reverse Voltage	V _{RRM}	V	45
Average Rectified Output Current @60Hz -sine wave, R- load, T _c =65	I _O	A	15
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _a =25	I _{FSM}	A	275

Current Squared Time @1ms t 8. @ PARAMETER

	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Peak Forward Voltage	V _{FM}	V	I _{FM} =15.0A, T _j =25	-	0.43	0.47
			I _{FM} =15.0A, T _j =125	-	0.37	0.40
Reverse Breakdown Voltage	V _{BR}	V	I _R =0.5mA	45	-	-
Leakage Current	I _R	mA	V _R =45V T _j =25	-	-	0.5
			V _R =45V T _j =100	-	-	100

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS



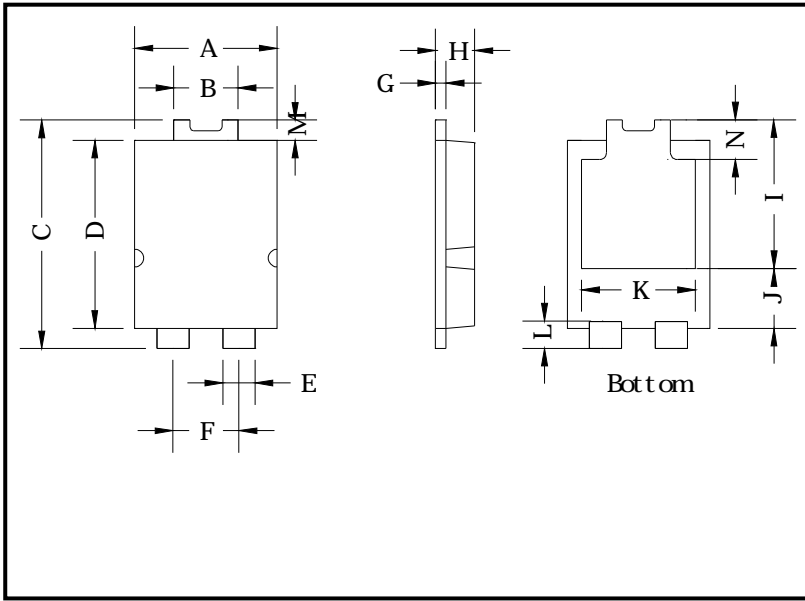
SS15U45

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER		SYMBOL	UNIT	SS15U45
Thermal Resistance	Junction to Case	R_{J-C}	/W	8

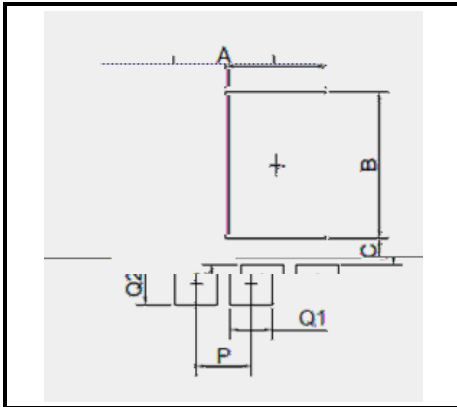


Outline Dimensions



TO-277		
Dim	Min(mm)	Max(mm)
A	3.90	4.10
B	1.70	1.90
C	6.40	6.60
D	5.30	5.50
E	0.80	1.00
F	1.85 ref.	
G	0.35	0.45
H	1.10	1.20
I	4.10	4.50
J	1.50	1.90
K	2.90	3.40
L	0.55	0.75
M	0.50 ref.	
N	1.15 ref.	

Suggested pad layout



DIM	MIN.(mm)
A	3.36
B	4.86
C	0.85
P	1.84
Q1	1.40
Q2	1.40

