



Schottky Diodes

Features

High frequency operation
High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
Guard ring for enhanced ruggedness and long term reliability
Meets MSL level 1, per J-STD-020, LF maximum peak of 260

Typical Applications

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Mechanical Data

Package: TO-263

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

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

Polarity: As marked

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MBRBL2045CT
Device marking code			MBRBL2045CT
Repetitive Peak Reverse Voltage	V_{RRM}	V	45

Average Rectified Output Current



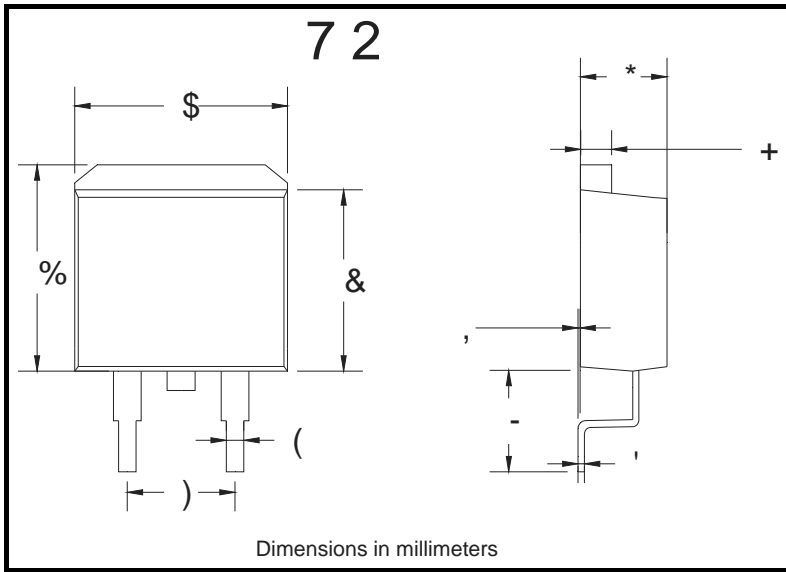
Ordering Information (Example)

PREFERRED P/N

3((g6.β()JETq23.1804598 -87544-87365 Tc23..0856598 mh213.180459TD7544-872023..085659TDW*n0 841.9 59.2 -841.9 reW n

MBRBL2045CT

Outline Dimensions



TO-263		
Dim	Min	Max
A	9.5	11.5
B	9.7	10.5
C	8.4	9.0
D	0.28	0.64
E	0.68	0.94
F	4.55	5.6
G	4.04	5.10
H	1.14	1.4
I	0	0.2
J	4.9	6.05



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