

/ Descriptions

TO-263

Ultrafast Recovery Diode in a TO-263 Plastic Package.

/ Features

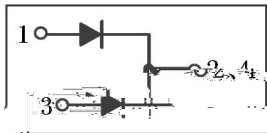
Silicon epitaxial process to produce ultrafast recovery diode with low reverse leakage current and high reliability.

/ Applications

PFC

For high frequency, high voltage, high current rectifier diode, freewheeling diode, PFC circuit.

/ Equivalent Circuit



/ Pinning 6 4rF46so fBT . 0 0 15b509 / I7



PIN1 Anode

PIN 2 4 Cathode

PIN 3 Anode

/ h_{FE} Classifications & Marking

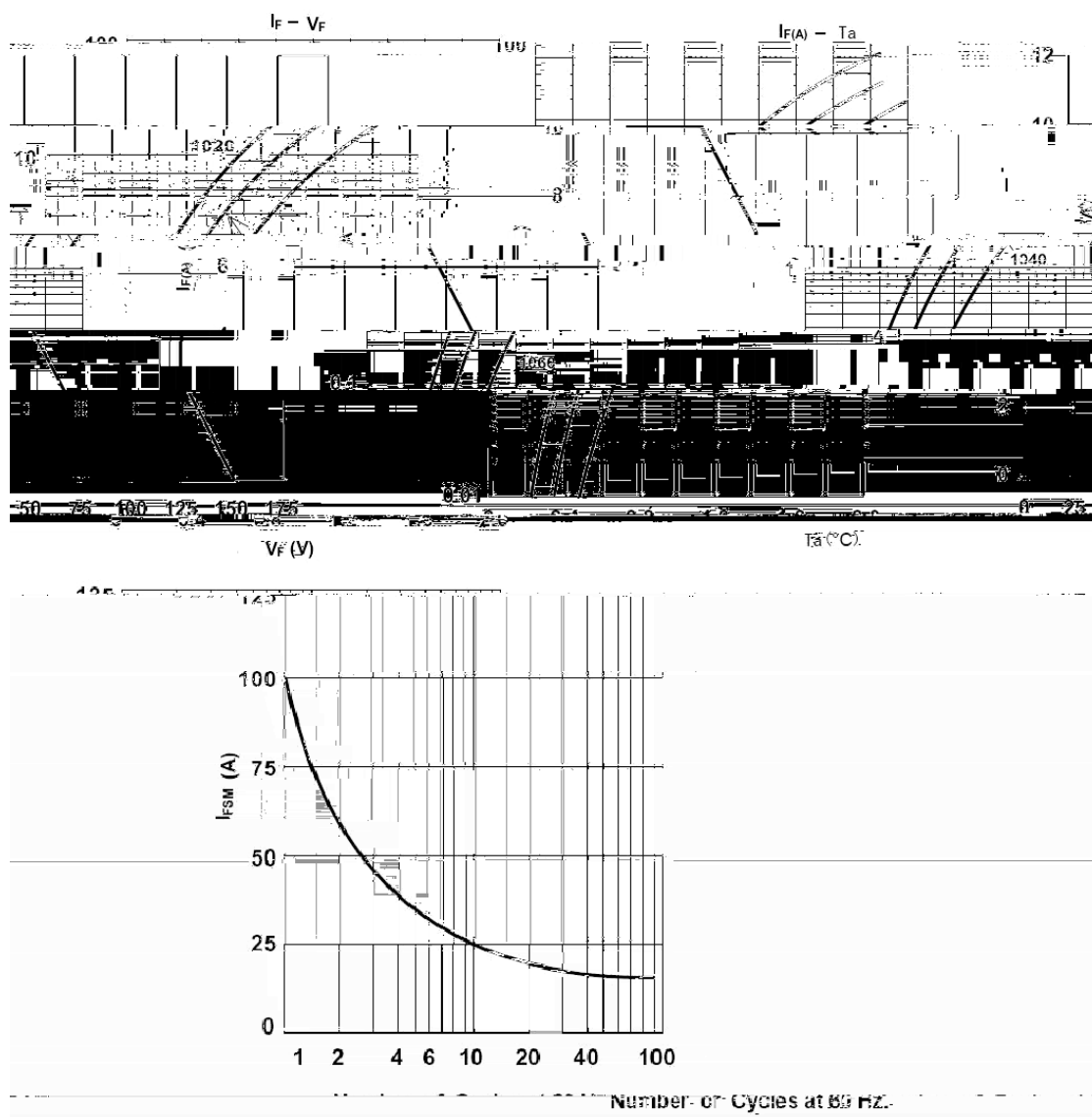
See Marking Instructions.

BRMUR1040CTBD

Rev.B .Mar.-2019

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	400	V
RMS Voltage	V_{RMS}	280	V
DC Blocking Voltage	V_{DC}	400	V
Peak Repetitive Forward Current	I_F	10	A
Non Repetitive Peak Surge Current	I_{FSM}	100	A
Maximum Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.8	/W
Storage Temperature Range	T_{stg}	-55 150	

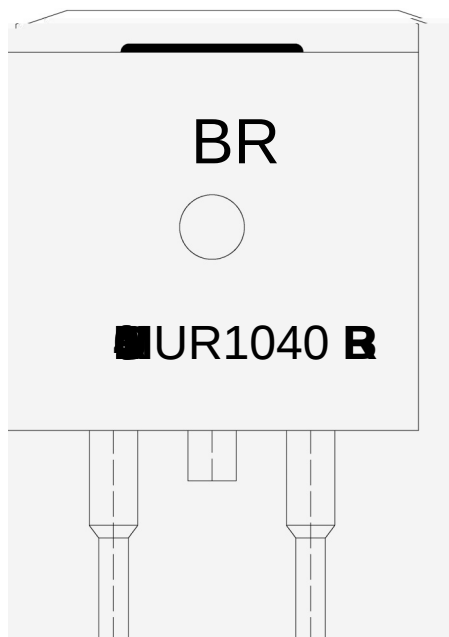
/ Electrical Characteristic Curve



BRMUR1040CTBD

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/ Marking Instructions



BR

MUR1040

CT:

Note:

BR:

Company Code

MUR1040:

Product Type

CT:

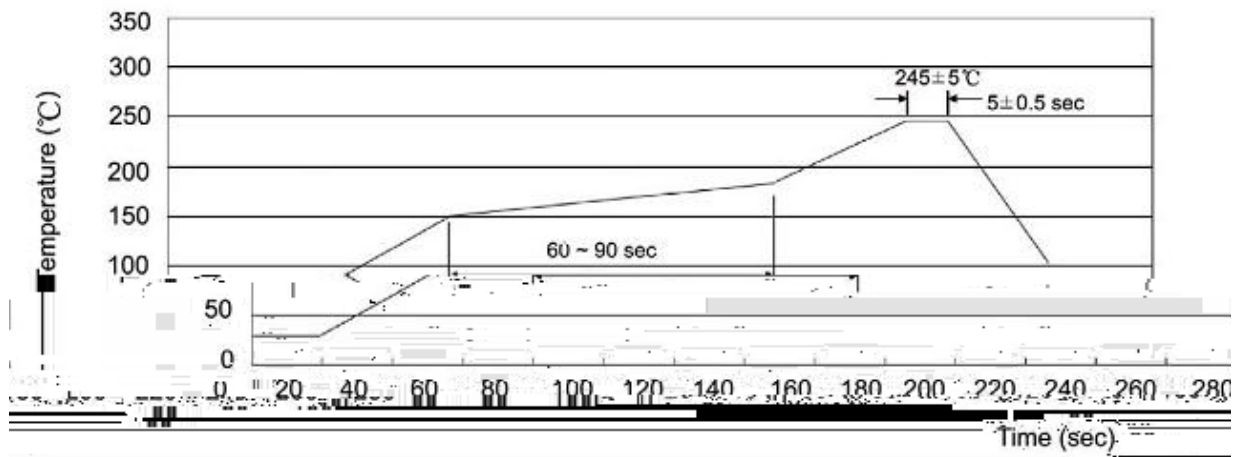
Internal Structure

****:

Lot No. Code, code change with Lot No.



() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---------------------------------------|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 255±5 | | | 5±0.5sec; | 2.Peak Temp.:255±5 |