

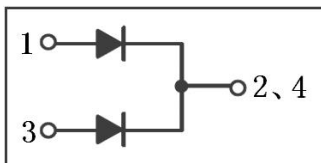
Rev.A Nov.-2016

TO-263

Schottky Diode in a TO-263 Plastic Package.

Low power loss, high efficiency.

For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.



PIN1 Anode

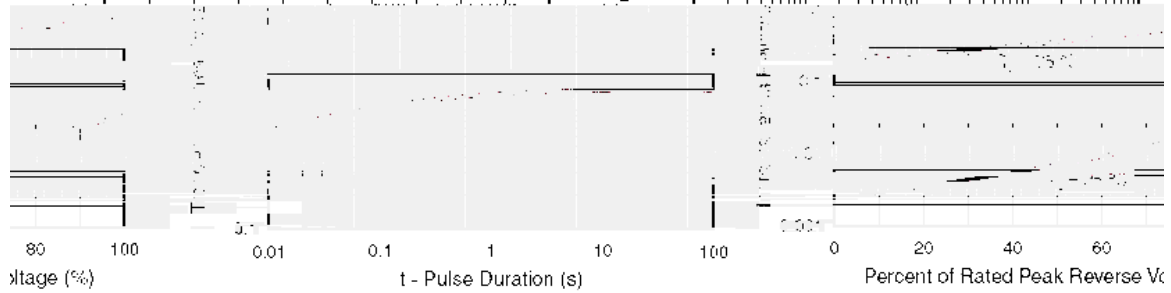
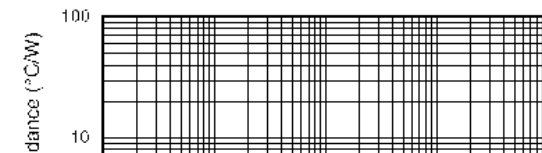
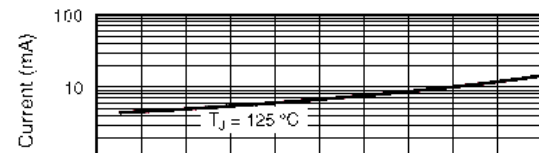
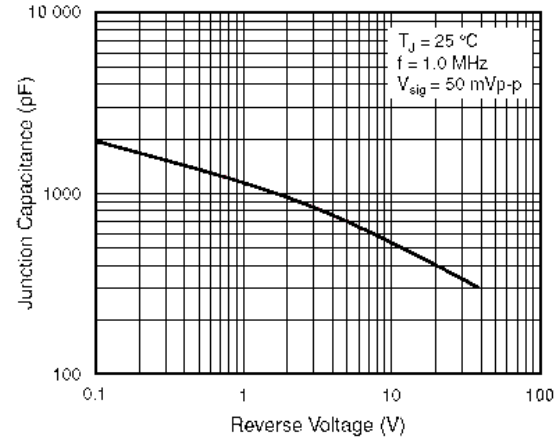
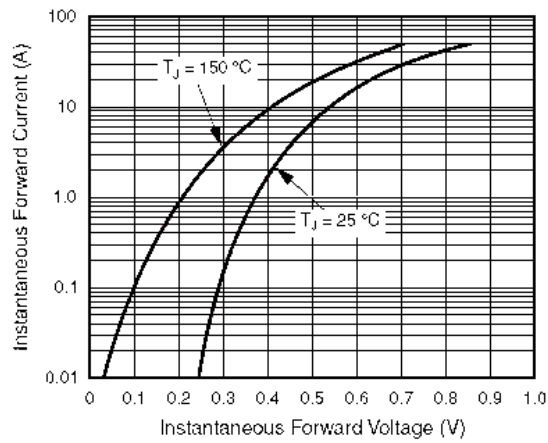
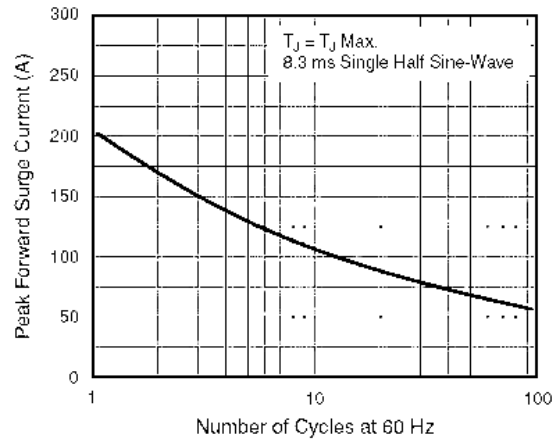
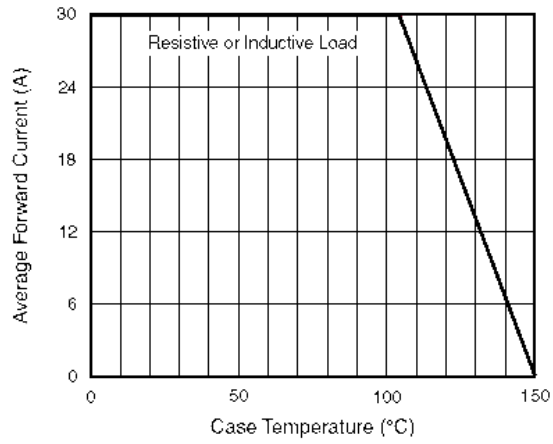
PIN 2 4 Cathode

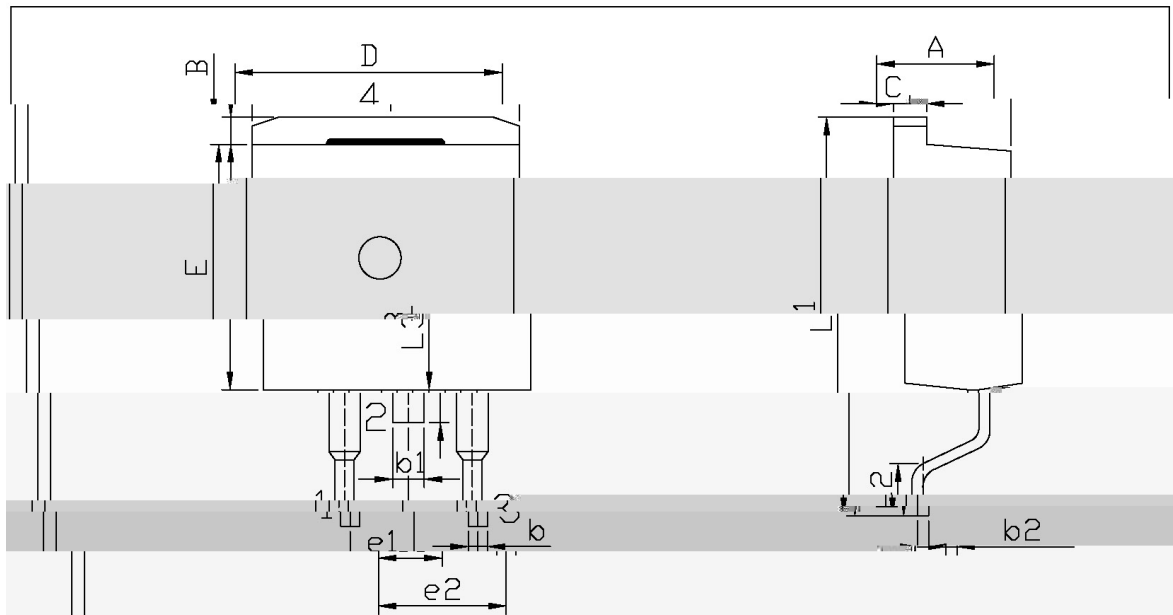
PIN 3 Anode

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	45	V
Peak Repetitive Forward Current	$I_{F(AV)}$	15	A
	$I_{F(AV)}$ total device	30	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	200	A
Repetitive Peak Reverse Surge Current	I_{RRM}	2.0	A
Thermal Resistance Junction to Case	R_{JC}	1.5	/W
Junction Temperature Range	T_J	150	
Storage Temperature Range	T_{stg}	-65 150	

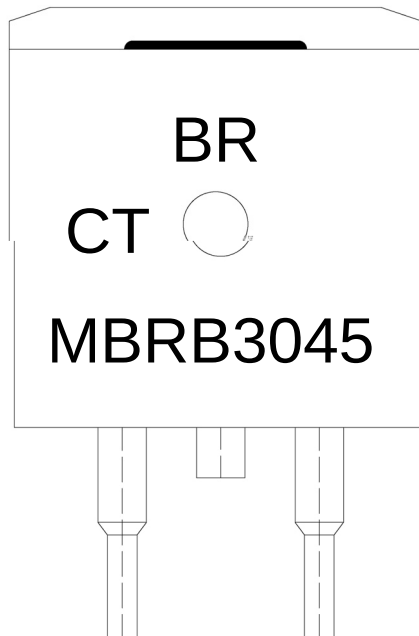
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=30A(T_c=25^\circ C)$			0.76	V
		$I_F=20A(T_c=125^\circ C)$			0.60	V
		$I_F=30A(T_c=125^\circ C)$			0.72	V
Instantaneous Reverse Current	I_R	$T_J=25$			1.0	mA
		$T_J=125$			60	mA
Voltage Rate of Change	dv/dt				10000	V/ s





单位: mm

Dimensions In Millimeters			Dimensions In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	4.30	4.70	E _L	0.00	0.10
B	1.00	1.40	e ¹	2.34	2.54



BR

MBRB3045

CT:

Note:

BR: Company Code

MBRB3045 Product Type.

CT: Internal Structure

****: Lot No. Code, code change with Lot No.

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