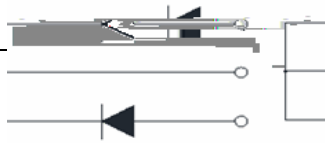
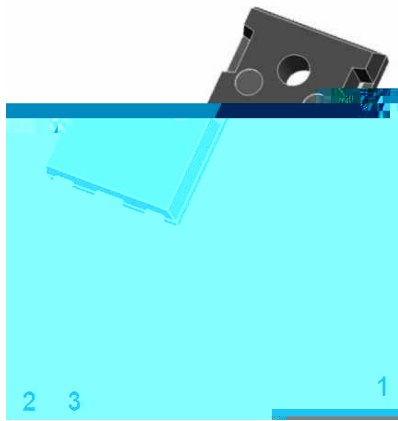


Schottky Diodes



Features

- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for

Maximum Ratings (T_a=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MBR4045PT
Device marking code			MBR4045PT
Repetitive Peak Reverse Voltage	V _{RRM}	V	45
Average Rectified Output Current @60Hz sine wave, R-load, T _c =126	I _o	A	40
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle @U6	I _{FSM}	A	70
Storage Temperature	T _{stg}	°C	-65 to 175

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Peak Forward Voltage	V _{FM}	V	I _{FM} =20.0A T _j =25	0.4	0.54	0.6
			I _{FM} =20.0A T _j =125	-	-	0.52
DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	V _{RM} =V _{RRM} T _j =25	-	-	0.2
			Applied Reverse Voltage of 4.0 V.D.C	600	900	1300

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

Note2:Pulse test:pulse width 40mS



MBR4045PT

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	
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MBR4045PT



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