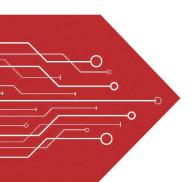
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet

FEATURES

- Low forward voltage
- · High current capability
- High forward surge capability
- Low power losses, High efficiency
- Guarding for over voltage protection

APPLICATIONS

Low VF Schottky barrier rectifier are designed for high freqency, miniature switched mode power supplies such as adapters, lighting and on-board DC/DC conerters

Primary Characteristic		
lo	2*5A	
V_{RRM}	200V	
I _{FSM}	130A	
V _F	0.72V	
T₃max	150℃	
Assembly code	AE	

MECHANICAL DATA

Case: Molded plasticPolarity: As markedMounting Position: Any

 $\bullet \, \textbf{Molded Plastic:} \, \textbf{ULF} lammability Classification Rating 94 V-0 \\$

 $\bullet \, Lead \, free \, in \, compliance \, with \, EU \, RoHS \, 2011/65/EU \, directive$

Maximum Ratings (Per Leg) at	: Ta=25°C ι	ınless otherwi	ise specified	
Characteristics		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	200	V
Working Peak Reverse Voltage		V _{RWM}	200	V
Maximum DC Blocking Voltage		V _{DC}	200	V
Maximum Average Femueral Poetified Current	Per Leg	1.	5	۸
Maximum Average Forward Rectified Current	Total	lo	10	Α
Peak Forward Surge Current,8.3 ms Single Half Sine-wave		I _{FSM}	130	Α
Operating Temperature Range		TJ	150	°C
Storage Temperature Range		T _{STG}	-40 to +150	°C
TypicalThermalResistance(Note1)				
TO-220AB,TO-263,TO-252		R _{0 JC}	2	°C/W
TO-220F			4	

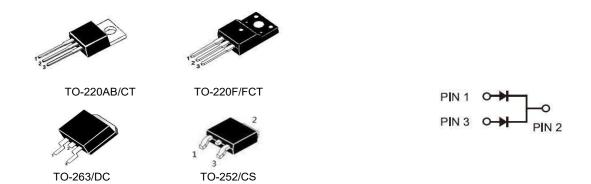
Note1: Thermal resistance from Junction to case per leg mounted on heatsink.

Electrical Characteristics (Per	Leg) unless of	otherwise	specified		
Characteristics		Symbol	Va	lue	Unit
Forward Voltage Drop(Note2)			Тур.	Max.	
at I⊧=2A	TA=25°C		0.77	-	
at IF-ZA	TA=125°C		0.63	-	
at I⊧=3A	TA=25°C	V _F	0.80	-	V
at IF-3A	TA=125°C		0.67	-	
at I _F =5A	TA=25°C		0.85	0.92	
	TA=125°C		0.72	-	
Maximum Reverse Current at V _R =200V	TA=25°C	-	1	5	μΑ
	TA=125°C	IR	0.5	-	mA

Note2:Pulse test: 300 µs pulse width, 1 % duty cycle

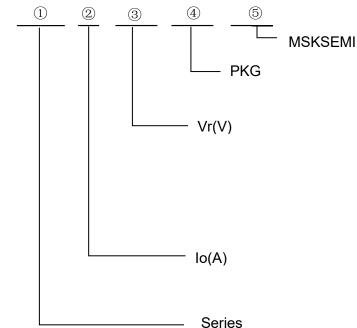


SCHOTTKY BARRIER RECTIFIER



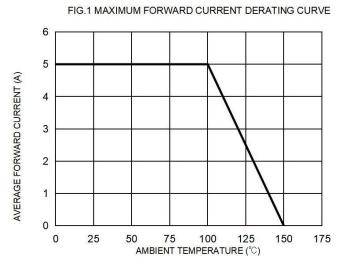
P/N Information

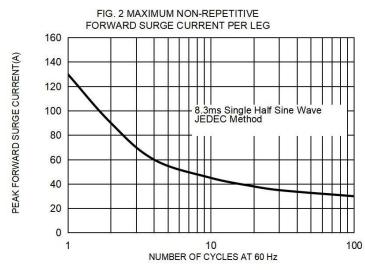
MBR 10 200 XXX -MS

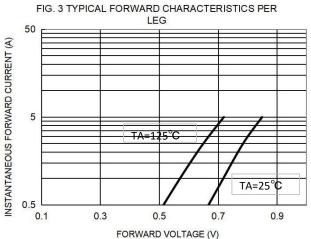


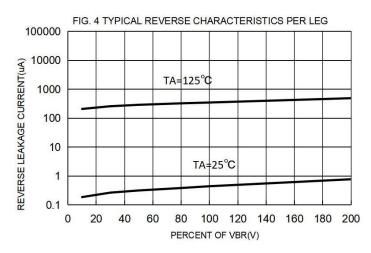
1)	2	3	4	(5)
系列	平均整流电流	直流反向耐压	封装	MSKSEMI

RATINGS AND CHARACTERISTIC CURVES

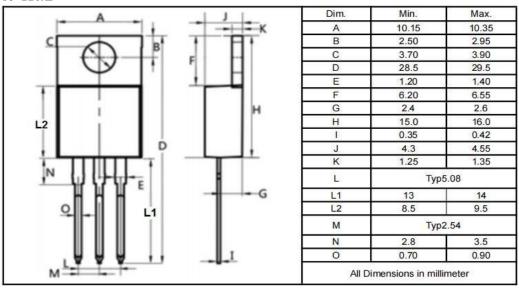






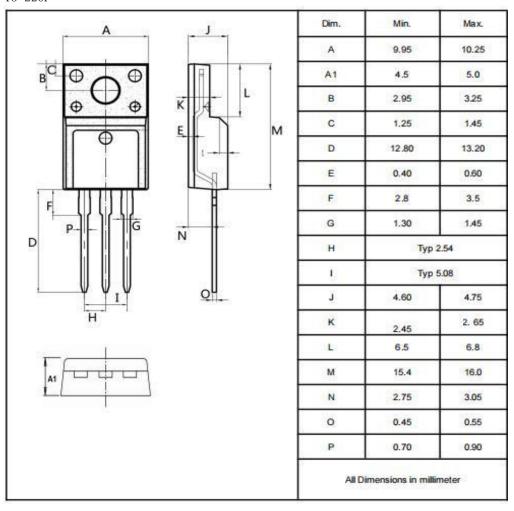


TO-220AB



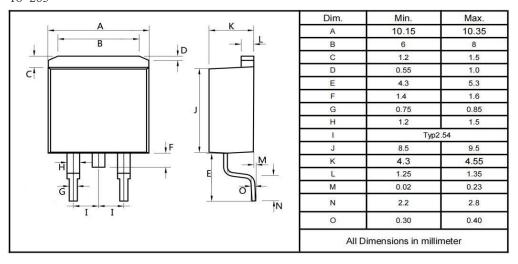
P/N	PKG	QTY
MBR10200CT-MS	TO-220AB	50pcs/tube 1000pcs/box

TO-220F



P/N	PKG	QTY
MBR10200FCT-MS	TO-220F	50pcs/tube 1000pcs/box

TO-263

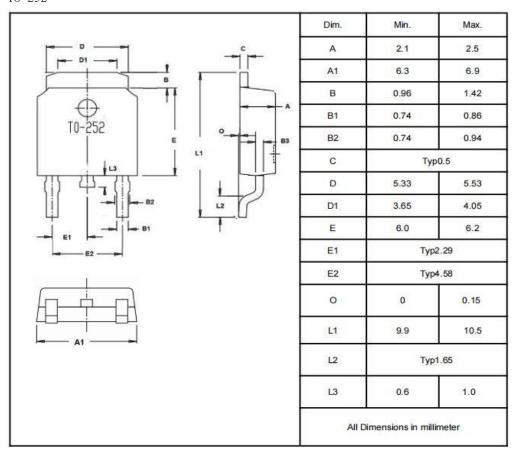


REEL SPECIFICATION

P/N	PKG	QTY
MBR10200DC-MS	TO-263	50pcs/tube 1000pcs/box

P/N	PKG	QTY
MBR10200DC-R-MS	TO-263	800pcs

TO-252



P/N	PKG	QTY
MBR10200CS-MS	TO-252	2500



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