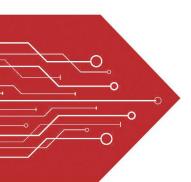
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet

FEATURES

- · Low forward voltage
- High current capability
- High forward surgecapability
- Low power losses, Highefficiency
- Guarding for over voltage protection

APPLICATIONS

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

Primary Characteristic		
lo	2*10A	
V_{RRM}	200V	
I _{FSM}	250A	
V _F	0.76V	
T _J max	150℃	
Assembly code	AH	

MECHANICAL DATA

Case: Molded plasticPolarity: As markedMounting Position: Any

• Molded Plastic: UL Flammability Classification Rating 94V-0 • Lead free in compliance with EU RoHS 2011/65/EU directive

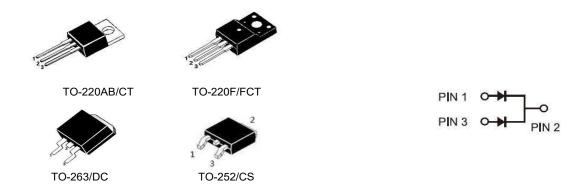
Maximum Ratings (Per Leg) at Ta=25°C unless otherwise specified				
Characteristics		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	200	V
Working Peak Reverse Voltage		V_{RWM}	200	V
Maximum DC Blocking Voltage	Maximum DC Blocking Voltage		200	V
Maximum Average Forward Rectified	Per Leg		10	^
Current	Total	lo	20	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		I _{FSM}	250	А
Operating Temperature Range		TJ	150	°C
Storage Temperature Range		T _{STG}	-40 to +150	°C
TypicalThermalResistance(Note1)				
TO-220AB,TO-263,TO-252		R _{e JC}	2	°C/W
TO-220F			4	

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

Electrical Characteristics	(Per Leg) ur	nless othe	rwise specified		
Characteristics		Symbol	Value		Unit
Forward Voltage Drop(Note2)			Тур.	Max.	
at I _F =3A	TA=25°C		0.76	-	1
	TA=125°C		0.63	-	1
-41 50	TA=25°C	V _F	0.80	-	V
at I _F =5A	TA=125°C		0.68	-	1
at I _F =10A	TA=25°C	1	0.87	0.92	1
	TA=125°C	1	0.76	-	1
Maximum Reverse Current at V _R =200V	TA=25°C		1	10	μA
	TA=125°C	I _R	1	-	mA

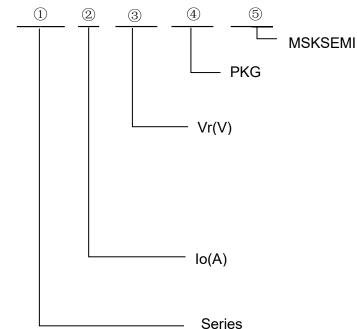
Note2:Pulse test: 300 µs pulse width, 1 % duty cycle

SCHOTTKY BARRIER RECTIFIER



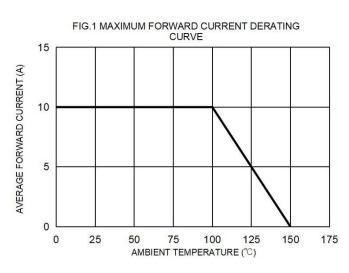
P/N Information

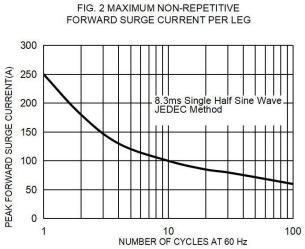
MBR 20 200 XXX -MS

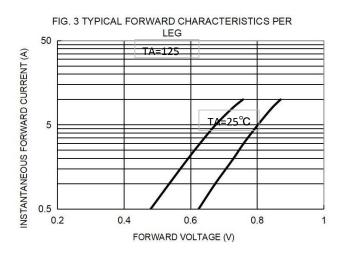


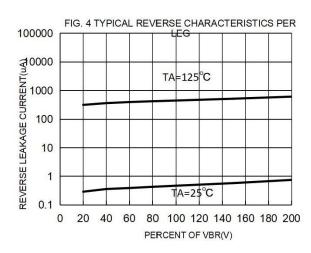
1)	2	3	4	(5)
系列	平均整流电流	直流反向耐压	封装	MSKSEMI

RATINGS AND CHARACTERISTIC CURVES

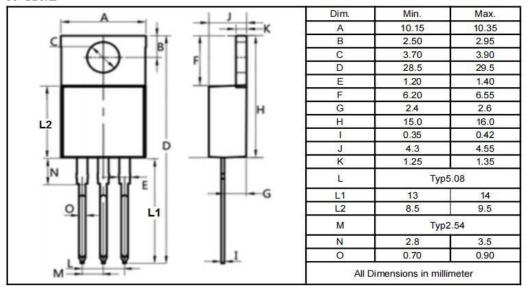






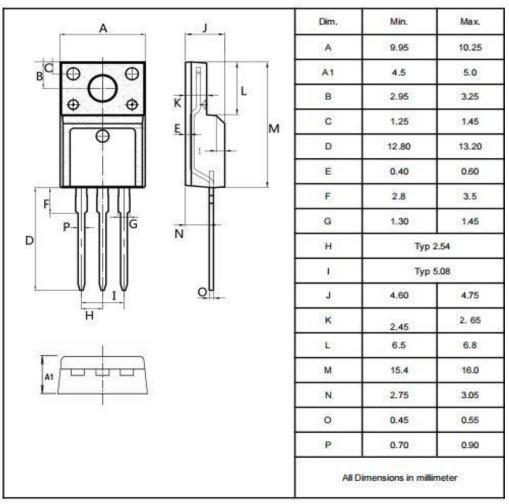


TO-220AB



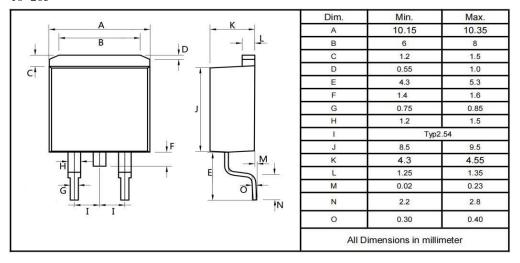
P/N	PKG	QTY
MBR20200CT-MS	TO-220AB	50pcs/tube 1000pcs/box

TO-220F



P/N	PKG	QTY
MBR20200FCT-MS	TO-220F	50pcs/tube 1000pcs/box

TO-263

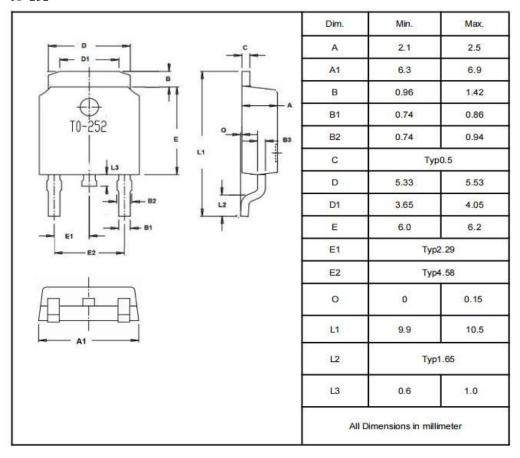


REEL SPECIFICATION

P/N	PKG	QTY
MBR20200DC-MS	TO-263	50pcs/tube 1000pcs/box

P/N	PKG	QTY
MBR20200DC-R-MS	TO-263	800pcs

TO-252



P/N	PKG	QTY
MBR20200CS-MS	TO-252	2500





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