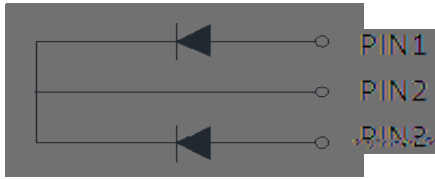
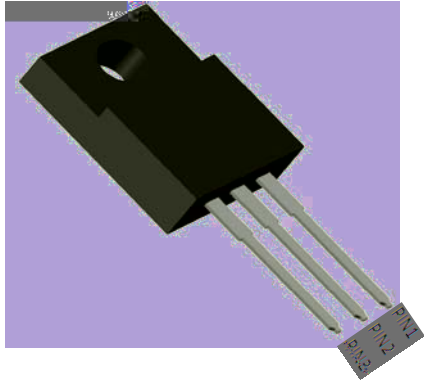


## Schottky Diodes



### Features

- High frequency operation and moisture resistance
- Guard ring for enhanced rugged rating, RoHS-compliant

**Terminals:** Tin plated leads, solderable Device marking code MBRL10100

Repetitive Peak Reverse Voltage	VRRM	V	100
Average Rectified Output Current @60Hz sine wave, R-load, T <sub>a</sub> =25	I <sub>O</sub>	A	10
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T <sub>a</sub> =25	IFSM	A	100
Current Squared Time @1ms t<8.3ms T <sub>j</sub> =25	I <sup>2</sup> t	A <sup>2</sup> s	41
Storage Temperature	T <sub>stg</sub>		-55 ~ +150
Junction Temperature	T <sub>j</sub>		-55 ~ +150

### Electrical Characteristics T<sub>a</sub>=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRL10100FCT
Maximum instantaneous forward voltage drop per diode	V <sub>FM</sub>	V	IFM=5.0A	0.72
Maximum DC reverse current at rated DC blocking voltage per diode	I <sub>RRM1</sub>	mA	VRM=VRRM T <sub>a</sub> =25	0.1
	I <sub>RRM2</sub>		VRM=VRRM T <sub>a</sub> =100	20

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

Note2:Pulse test:pulse width 40mS



# MBRL10100FCT

## Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER		SYMBOL	UNIT	MBRL10100FCT
Thermal Resistance	Between junction and case	$R_{J-C}$	$^{\circ}W$	4.0

## Ordering Information (Example)

PREFERRED P/N	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MBRL10100FCT	A CT				



## Outline Dimensions

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