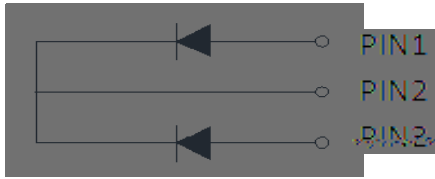
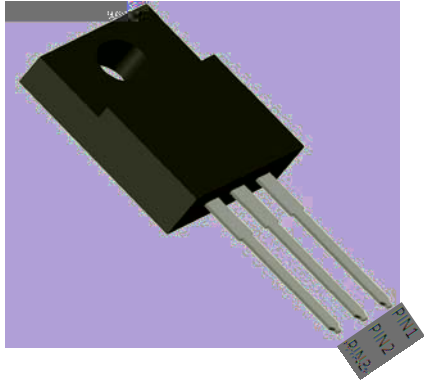


Schottky Diodes



Features

- High frequency operation
- High forward current
- enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness
- 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 _a =25	I _O	A	10
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T _a =25	IFSM	A	100
Current Squared Time @1ms t<8.3ms T _j =25	I ² t	A ² s	41
Storage Temperature	T _{stg}		-55 ~ +150
Junction Temperature	T _j		-55 ~ +150

Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRL10100FCT
Maximum instantaneous forward voltage drop per diode	V _{FM}	V	I _{FM} =5.0A	0.72
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	V _{RM} =V _{RRM} T _a =25	0.1
	I _{RRM2}		V _{RM} =V _{RRM} T _a =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



Outline Dimensions

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves all rights. All trademarks are the property of their respective owners.