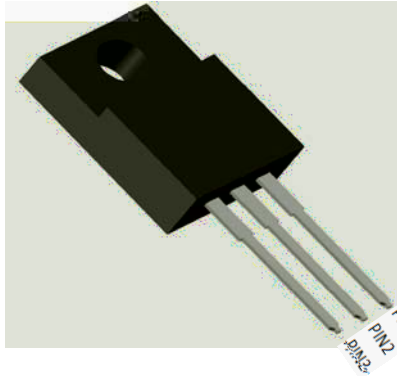


Schottky Diodes



Features

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

- **Terminals:** Tin plated leads, solderable **Device marking code** MBRL101

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℃	I _{FSM}	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 _{θJ-C}	°C/W	4.0

■ Ordering Information (Example)

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



■Outline Dimensions

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