

# 10A Schottky barrier diode in TO220F package

## FMJ-23L

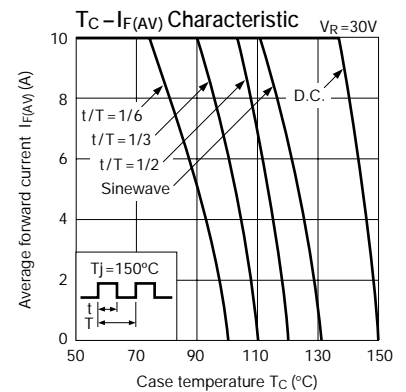
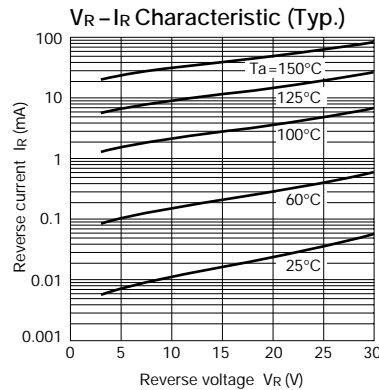
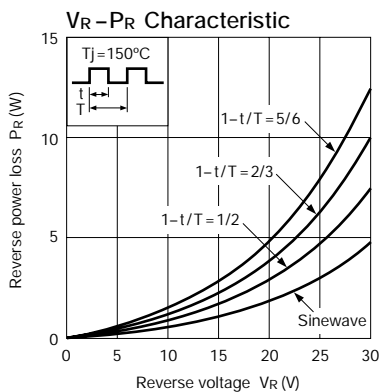
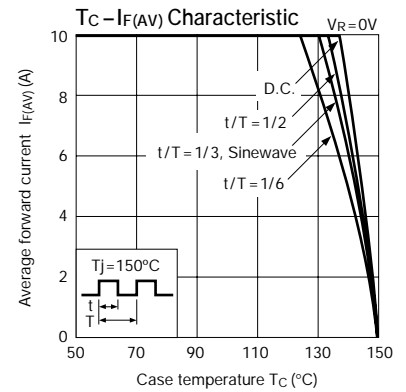
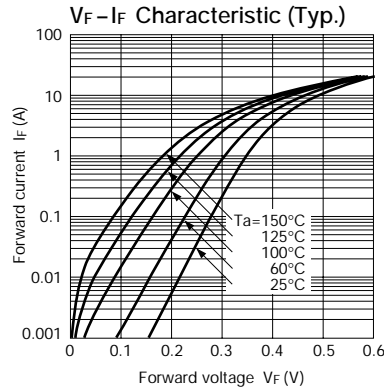
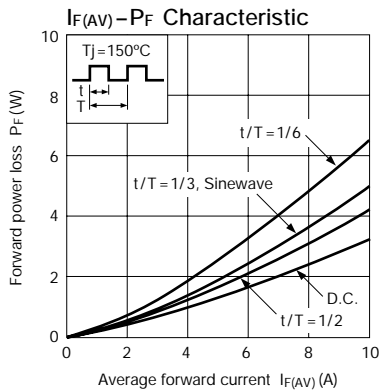
### Absolute maximum ratings

Parameter	Ratings	Unit	Conditions
$V_{RM}$	30	V	
$I_{F(AV)}$	10	A	
$I_{FSM}$	100	A	10ms Half-cycle sinewave Single Shot
$I^2t$	50	A <sup>2</sup> s	
$T_j$	-40 to +150	°C	
$T_{stg}$	-40 to +150	°C	

### Electrical characteristics

( $T_a = 25^\circ\text{C}$ )

Parameter	Ratings	Unit	Conditions
$V_F$	0.45max	V	$I_F = 5.0\text{A}$
$I_R$	5.0max	mA	$V_R = V_{RM}$
H. $I_{R1}$	50max	mA	$T_j = 125^\circ\text{C}$ , $V_R = V_{RM}$
H. $I_{R2}$	250max	mA	$T_j = 150^\circ\text{C}$ , $V_R = V_{RM}$
Rth(j-c)	4.0max	°C/W	Junction-to-case



### External dimensions (Unit: mm)

Flammability:  
UL94V-0 or equivalent

