

Power Surface Mount 90V, 20A Schottky barrier diode in TO220S package

MPE-29G

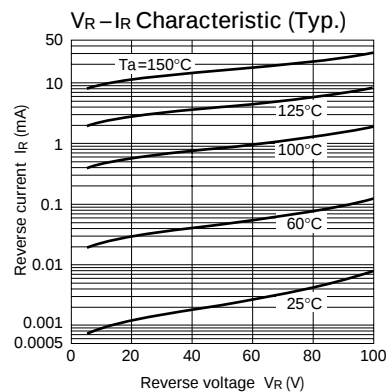
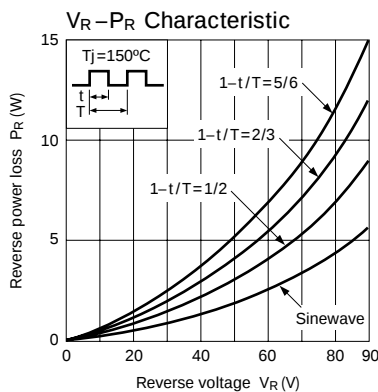
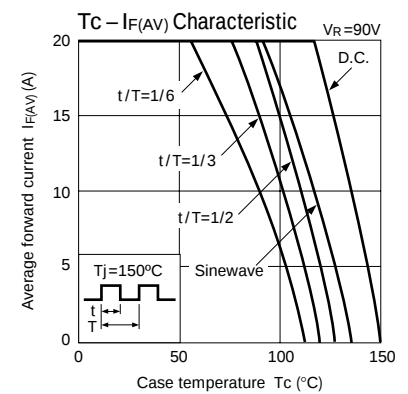
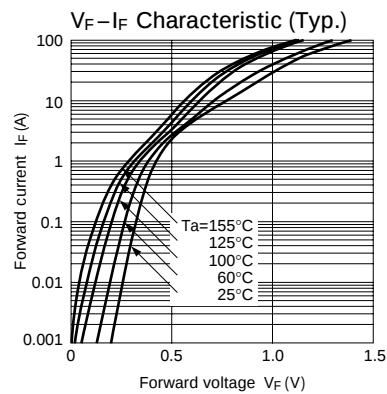
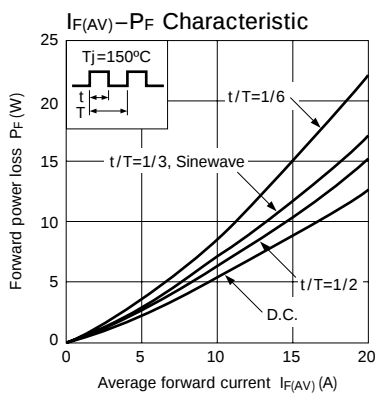
Absolute maximum ratings

Parameter	Ratings	Unit	Conditions
V_{RM}	90	V	
$I_{F(AV)}$	20	A	
I_{FSM}	120	A	10ms Half-cycle sinewave Single Shot
I^2t	72	A^2s	
T_j	-40 to +150	$^{\circ}C$	
T_{stg}	-40 to +150	$^{\circ}C$	

Electrical characteristics

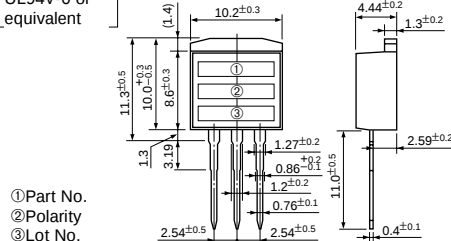
($T_a=25^{\circ}C$)

Parameter	Ratings	Unit	Conditions
V_F	0.85max	V	$I_F=10A$
I_R	1.0max	mA	$V_R=V_{RM}$
H.I.R	100max	mA	$T_j=150^{\circ}C$, $V_R=V_{RM}$
$R_{th(j-c)}$	2.5max	$^{\circ}C/W$	Junction-to-case



External dimensions (Unit: mm)

Flammability:
UL94V-0 or
equivalent



① Part No.
② Polarity
③ Lot No.

Reference data

