

# 100V, 30A Schottky barrier diode in TO220F package

## FME-230A

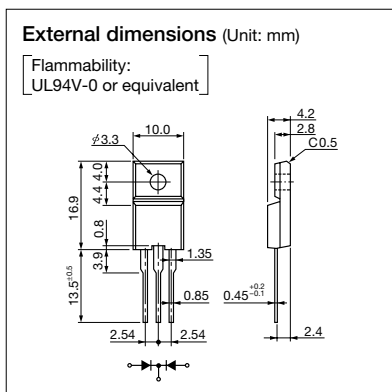
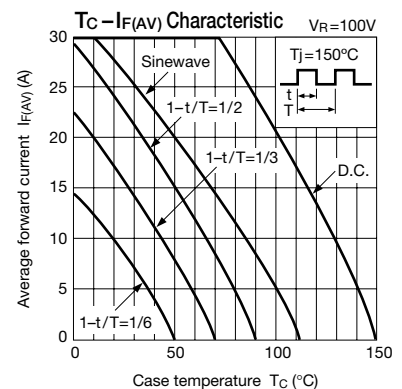
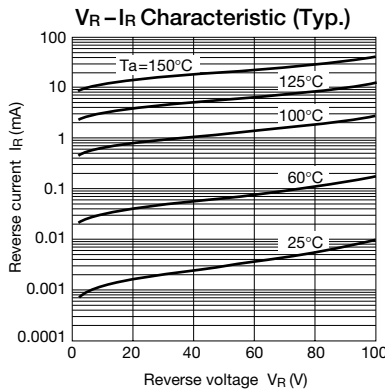
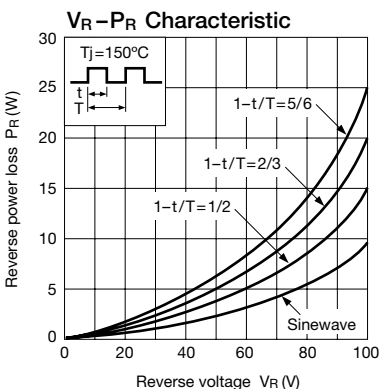
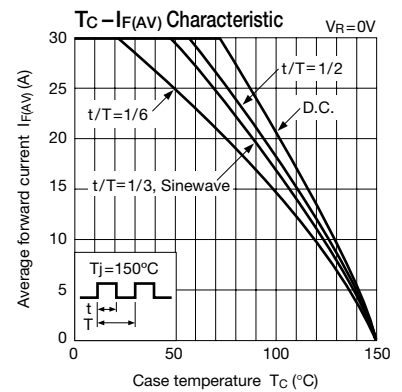
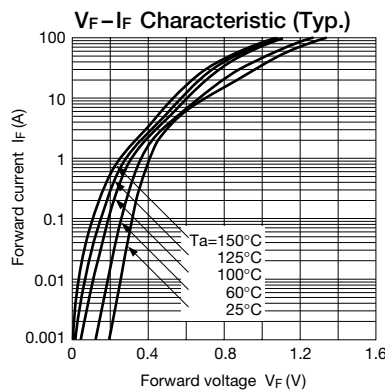
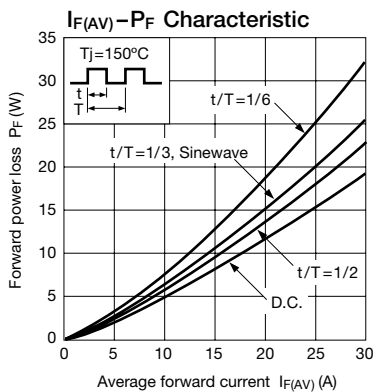
### Absolute maximum ratings

Parameter	Ratings	Unit	Conditions
$V_{RM}$	100	V	
$I_{F(AV)}$	30	A	
$I_{FSM}$	150	A	10ms Half-cycle sinewave Single Shot
$I^2t$	112	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
$V_F$	0.85	V	$I_F = 15\text{A}$
$I_R$	1.5max	mA	$V_R = V_{RM}$
H.I.R	150max	mA	$T_j = 150^\circ\text{C}$ , $V_R = V_{RM}$
$R_{th(j-c)}$	4.0max	°C/W	Junction-to-case



### Reference data

