TO-220F Plastic package Schottky diode .

Low forward voltage drop,low power

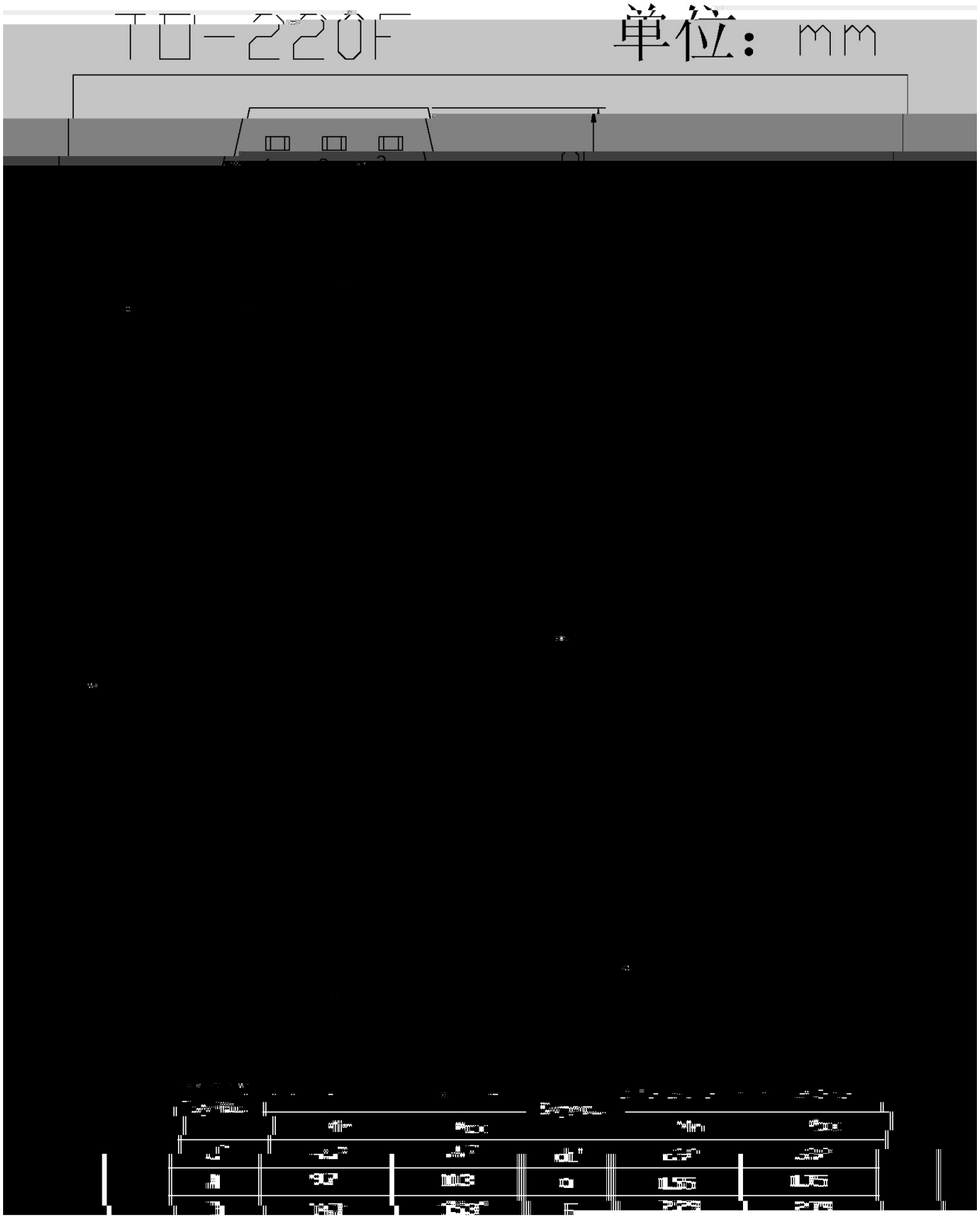
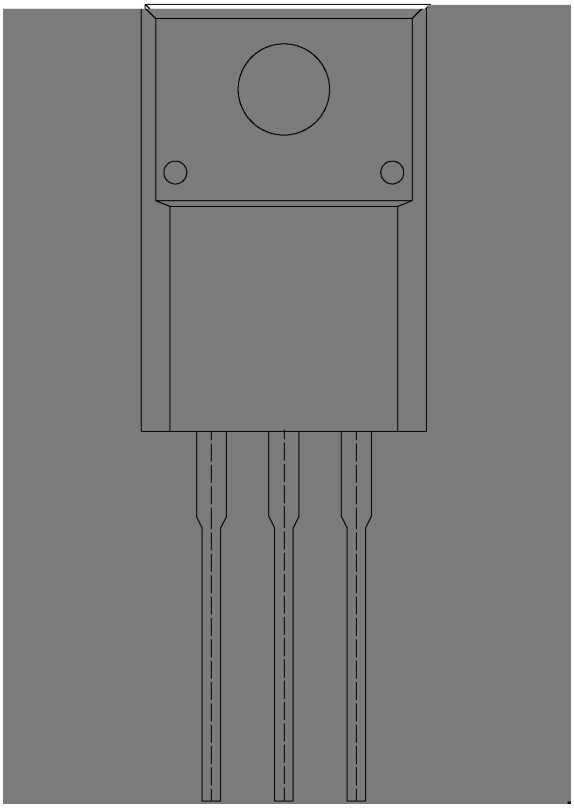
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	200	V
RMS Reverse Voltage	V_{RMS}	140	V
Average forward rectified Current	$I_{F(AV)}$	40	A
Non Repetitive Peak Surge Current	I_{FSM}	320	A
Thermal Resistance Junction to Case	R_{Jc}	4.5	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40~+175	

Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	I_R =1mA	Ta=25	200			V
Peak Forward Voltage	V_{FM}	I_F =5.0A	Ta=25			0.82	V
		I_F =5.0A	Ta=125			0.78	V
		I_F =20A	Ta=25			0.95	V
		I_F =20A	Ta=125			0.82	V
Instantaneous Reverse Current	I_R Note 1	V_R=200V	Ta=25			100	uA
		V_R=200V	Ta=125			5	mA

/Notes

/Short duration pulse test used to minimize self-heating effect.

/ Unless otherwise noted, values for the parameters of a single chip


TO-220F
单位：mm