

SWITCHING TYPE POWER SUPPLY APPLICATION
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Ultra-Fast Recovery Time for High Efficiency.
- Low Forward Voltage Drop, High Current Capability, and Low Power Loss.

APPLICATION

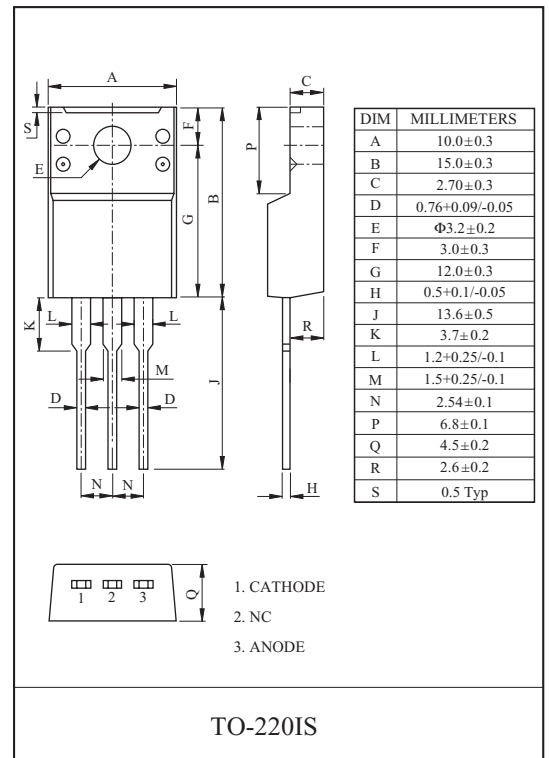
- Switching Power Supply.
- Home Appliances, Office Equipment.
- Telecommunication, Factory Automation.

MAXIMUM RATINGS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum Reverse Voltage	V_{RM}	200	V
Average Output Rectified Current (Tc=125 °C)	I_O	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	50 (50Hz)	A
		60 (60Hz)	
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C

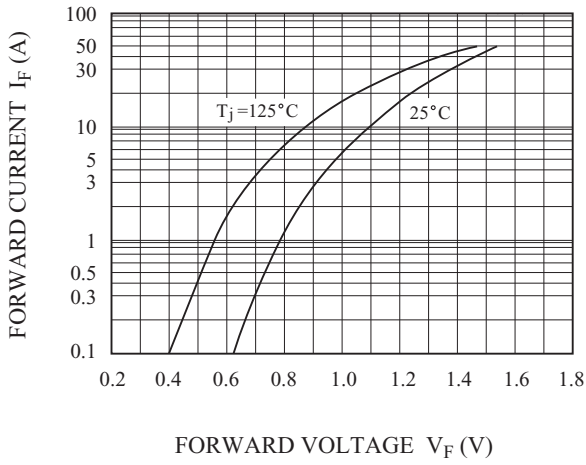
ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=5.0A$	-	-	0.98	V
Reverse Current	I_{RM}	$V_{RM}=\text{Rated}$	-	-	10	μA
Reverse Recovery Time	t_{rr}	$I_F=I_R=100mA$	-	-	50	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	4.0	°C/W

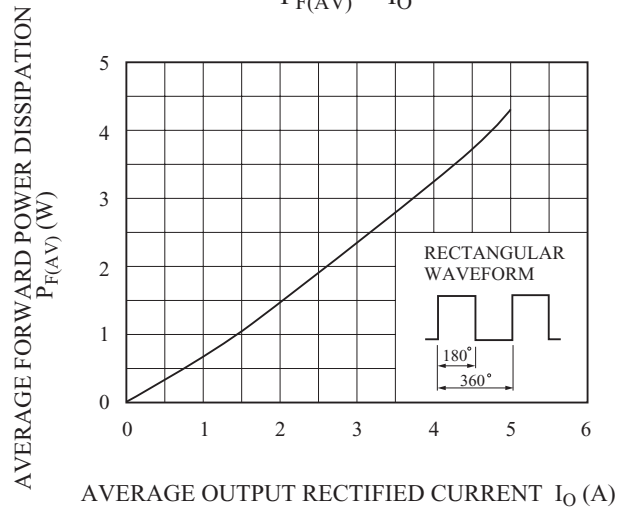


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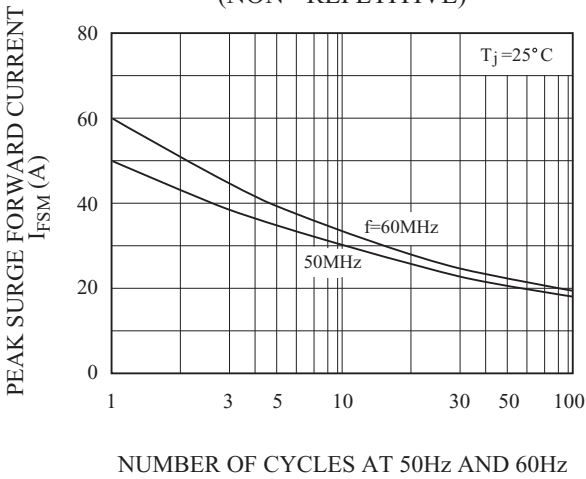
$I_F - V_F$



$P_{F(AV)} - I_O$



SURGE FORWARD CURRENT (NON - REPETITIVE)



$T_c - I_O$

