

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

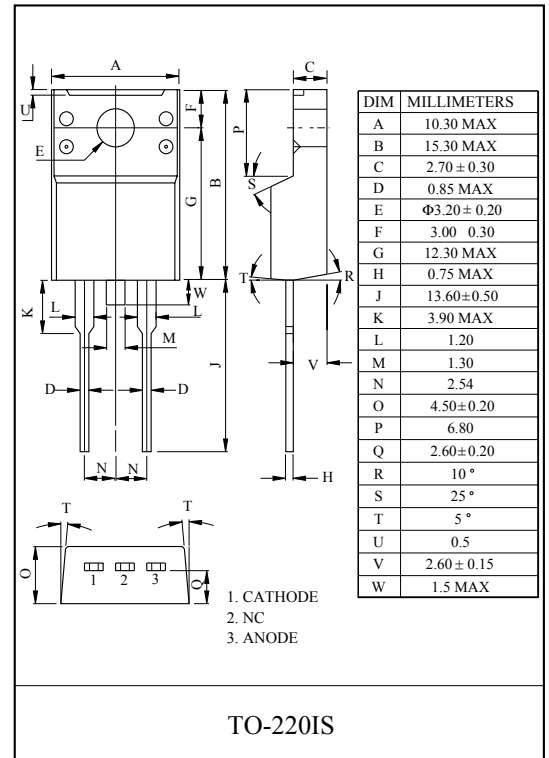
- Switching Power Supply.
- Home Appliances, Office Equipment.
- Telecommunication, Factory Automation.

### 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



# U5A2CI

