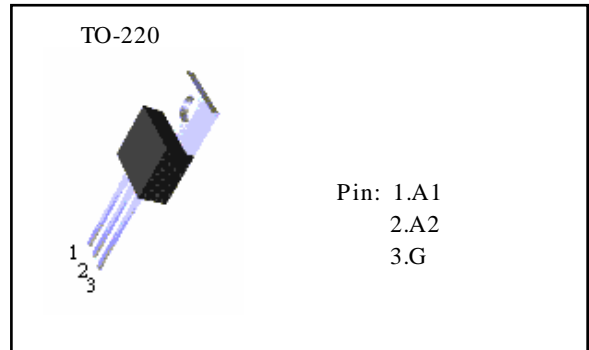


**FEATURE/APPLICATIONS**

- Case TO-220
- Planar Structure
- $V_{DRM}$  400V  
500V  
600V
- $I_{T(RMS)}$  12A
- $I_{TRM}$  100A
- Solid State Relays
- Light-control Equipment
- Heater-control Equipment
- Motor-control Equipment



**ORDERING INFORMATION**

Device	Operating Temperature	Package
PJ12A60CZ	-20°C +85°C	TO-220

**ABSOLUTE MAXIMUM RATINGS(T<sub>a</sub>=25°C)**

Parameters	Symbol	Ratings			Units
		PJT12A40	PJT12A50	PJT12A60	
Non repetitive peak off-state voltage	$V_{DRM}$	500	600	700	V
Repetitive peak off-state voltage	$V_{DRM}$	400	500	600	V
RMS on-state current	$I_{T(DRM)}$	12 (T <sub>c</sub> =98°C)			A
Surge non repetitive on-state current	$V_{TSM}$	100 (50Hz 1cycle) 110 (60Hz 1cycle)			A
I <sup>2</sup> t Value	$\int i^2 dt$	45 (1ms ≤ t ≤ 10ms)			A <sup>2</sup> S
Critical rate of rise of on-state current	$dI_T/dt$	50			A/μs
Peak gate power dissipation	$P_{GM}$	5 (f ≥ 50Hz, Duty ≤ 10%)			W
Average gate power dissipation	$P_{O(AV)}$	0.5			W
Peak gate current	$I_{CM}$	±3 (f ≥ 50Hz, Duty ≤ 10%)			A
Junction temperature	$T_J$	-40~+125			°C
Storage temperature	$T_{stg}$	-55~+150			°C
Weight	-	2			g

TO-220 Unit:mm

