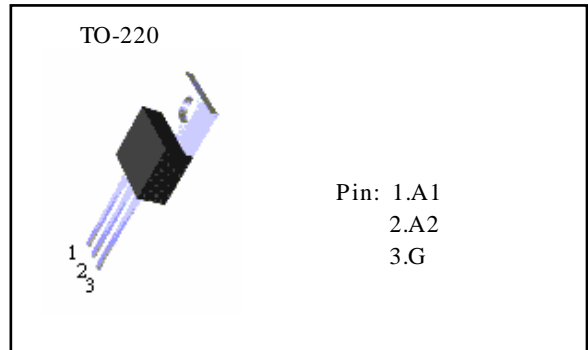


FEATURE/APPLICATIONS

- 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_a=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 _c =98°C)			A
Surge non repetitive on-state current	V_{TSM}	100 (50Hz 1cycle) 110 (60Hz 1cycle)			A
I ² t Value	$\int i^2 dt$	45 (1ms ≤ t ≤ 10ms)			A ² S
Critical rate of rise of on-state current	$D I_T / dt$	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

