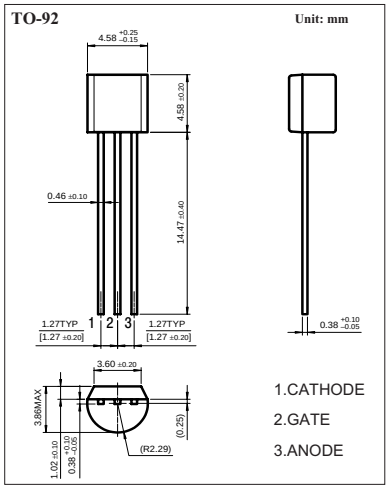
Silicon Controlled Rectifiers

PCR0.6A



Features

- RMS on-state current to 0.6 A
- General purpose switching

Absolute Maximum Ratings Ta = 25℃

Parameter		Symbol	Rating	Unit
Repetitive peak off-state voltages	PCR406	V_{DRM},V_{RRM}	400	V
	PCR606		600	V
RMS on-state current		$I_{T(RMS)}$	0.6	A
Junction Temperature		T_J	-40 to 125	℃
Storage Temperature		T_{stg}	-40 to 150	℃

Electrical Characteristics Ta = 25℃

Parameter		Symbol	Test conditions	Min	Typ	Max	Unit
Repetitive peak off-state voltage	PCR406	V_{DRM}	I_{DRM}= 10μA	400			V
	PCR606			600			V
On-state voltage		V_T	I_T = 0.6 A			1.7	V
Gate trigger voltage		V_{GT}	V_{AK}=7V			0.8	V
Holding current		I_H	I_{HL}= 20 mA , V_{AK} = 7 V			5	mA
Gate trigger current	A2	I_{GT}	V_{AK}=7V	5		15	μA
	A1			15		30	μA
	A-1			30		45	μA
	A-2			45		60	μA
	A			60		80	μA
	B			80		120	μA

Marking

Marking	PCR406	PCR606

PCR0.6A

■ Typical Characteristics

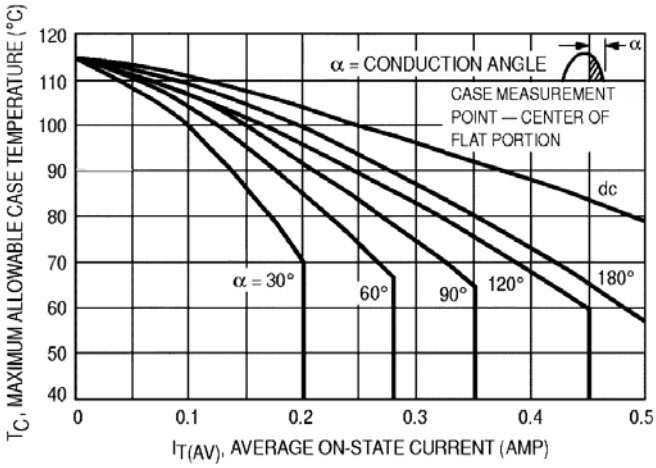


Figure 1,Current Derating
(Case Temperature)

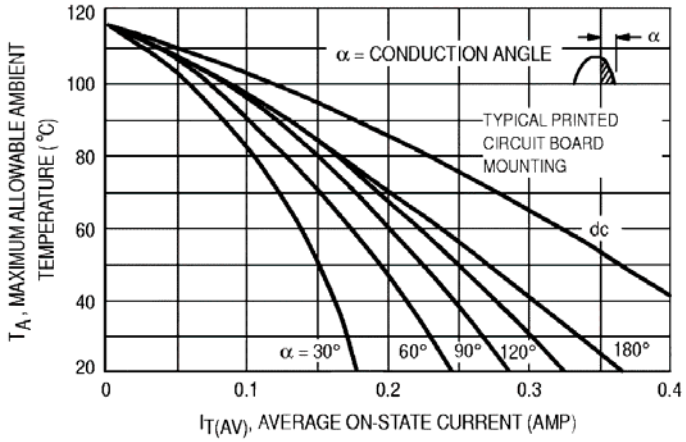


Figure 1,Current Derating
(Ambient Temperature)