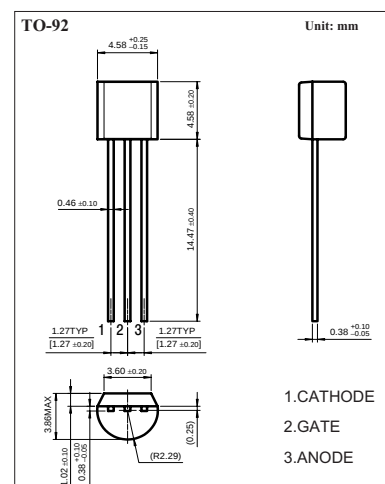


Silicon Controlled Rectifiers

PCR0.6A

■ Features

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

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

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

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter		Symbol	Test conditions	Min	Typ	Max	Unit
Repetitive peak off-state voltage	PCR406	V_{DRM}	$I_{\text{DRM}} = 10\mu\text{A}$	400			V
	PCR606			600			V
On-state voltage		V_{T}	$I_{\text{T}} = 0.6\text{ A}$			1.7	V
Gate trigger voltage		V_{GT}	$V_{\text{AK}} = 7\text{ V}$			0.8	V
Holding current		I_{H}	$I_{\text{HL}} = 20\text{ mA}, V_{\text{AK}} = 7\text{ V}$			5	mA
Gate trigger current	A2	I_{GT}	$V_{\text{AK}} = 7\text{ V}$	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
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PCR0.6A

■ Typical Characteristics

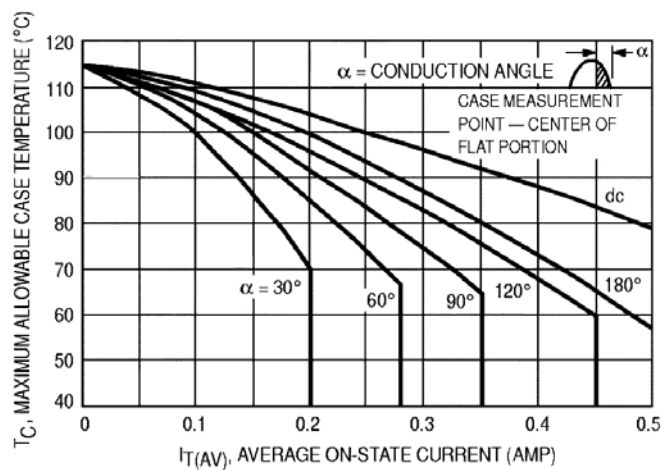


Figure 1, Current Derating
(Case Temperature)

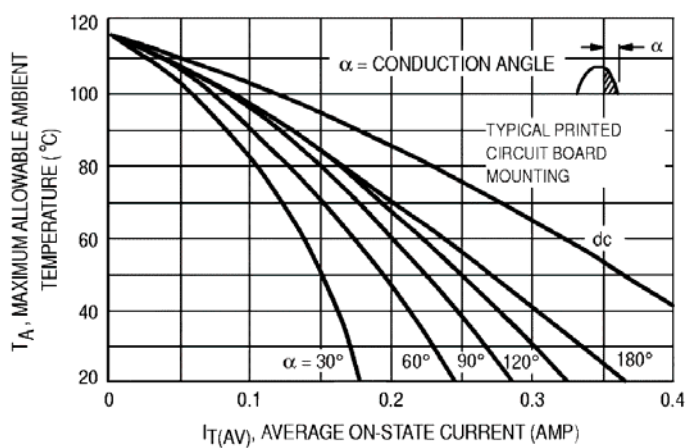


Figure 1, Current Derating
(Ambient Temperature)