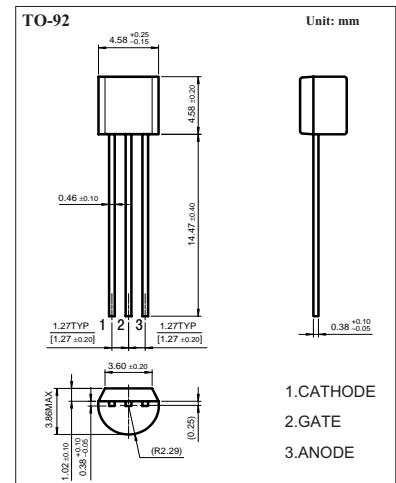


## Silicon Controlled Rectifiers

### PCR0.6A

#### ■ Features

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



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter		Symbol	Rating	Unit
Repetitive peak off-state voltages	PCR406	V <sub>DRM</sub> , V <sub>RRM</sub>	400	V
	PCR606		600	V
RMS on-state current		I <sub>T(RMS)</sub>	0.6	A
Junction Temperature		T <sub>J</sub>	-40 to 125	°C
Storage Temperature		T <sub>stg</sub>	-40 to 150	°C

#### ■ Electrical Characteristics Ta = 25°C

Parameter		Symbol	Test conditions	Min	Typ	Max	Unit
Repetitive peak off-state voltage	PCR406	V <sub>DRM</sub>	I <sub>DRM</sub> = 10μA	400			V
	PCR606			600			V
On-state voltage		V <sub>T</sub>	I <sub>T</sub> = 0.6 A			1.7	V
Gate trigger voltage		V <sub>GT</sub>	V <sub>AK</sub> = 7V			0.8	V
Holding current		I <sub>H</sub>	I <sub>HL</sub> = 20 mA, V <sub>AK</sub> = 7 V			5	mA
Gate trigger current	A2	I <sub>GT</sub>	V <sub>AK</sub> = 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

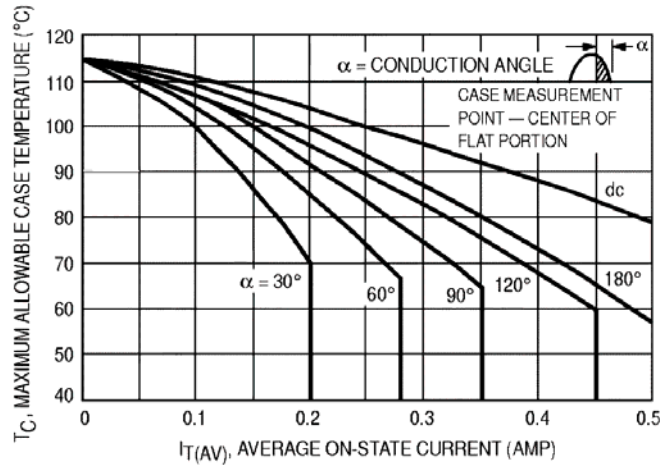


Figure 1, Current Derating (Case Temperature)

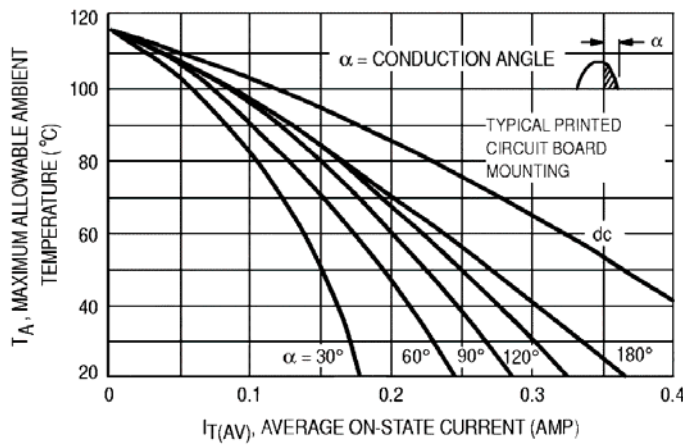


Figure 1, Current Derating (Ambient Temperature)