Elektronische Bauelemente

PCR406 / PCR606

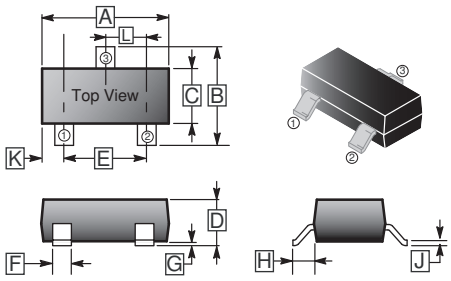
Silicon Planar PNPN Thyristors

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

MAIN FEATURES

Symbol		Rating	Unit
$I_{T(RMS)}$		0.6	A
V_{RRM}	PCR406	400	V
	PCR606	600	

SOT-23



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	0.09	0.18
B	2.10	2.65	H	0.35	0.65
C	1.20	1.40	J	0.08	0.20
D	0.89	1.17	K	0.6 REF.	
E	1.78	2.04	L	0.95 BSC.	
F	0.30	0.50			

DESCRIPTION

Logic level sensitive gate triac intended to be interfaced directly to microcontrollers, logic integrated circuits and other low power gate trigger circuits.

FEATURE

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

APPLICATIONS

- General purpose bidirectional switching
- Phase control applications
- Solid state relays

MARKING

Part Number	Marking
PCR406	406
PCR606	606

ABSOLUTE MAXIMUM RATINGS (T_A=25℃ unless otherwise specified)

Parameter		Symbol	Rating		Unit	Test Conditions
			Min.	Max.		
On state voltage [1]		V_{TM}	-	1.7	V	I_{TM}=0.6A
Gate trigger voltage		V_{GT}	-	0.8	V	V_{AK}=7V
Peak Repetitive forward blocking voltage	PCR406	V_{DRM}	400	-	V	I_{DRM}=10μA
	PCR606		600	-		
Holding current		I_H	-	5	mA	I_T=600mA, I_G=60V
Gate trigger current		I_{GT}	5	40	μA	V_{AK}=7V
Junction Temperature		T_J	-40~125		℃	
Storage Temperature		T_{STG}	-40~150		℃	