



YANGZHOU POSITIONING TECH.CO.,LTD

X0405

X0405 SCR_S

● Package

T0-202-3

● Main Feature (T_j=25℃)

Symbol	Value	Unit
I _{T(AV)}	2.5	A
DRM / V _{RRM}	≥800	V
I _{GT}	10~200	uA

● Absolute ratings (Limiting Values)

Symbol	Parameter	Value	Unit
I _{T(RMS)}	RMS on-state current (180° conduction angle)	4	A
I _{T(AV)}	AV on-state current (180° conduction angle)	2.5	A
I _{TSM}	Non repetitive surge peak on-state Current (tp=10ms)	30	A
I _{GM}	Peak gate current(tp=20us)	1.2	A
P _{GM}	Peak gate power	0.5	W
P _{G(AV)}	Average gate power	0.2	W
T _{stg}	Storage temperature	-40--+150	℃
T _j	Operating junction temperature	-40--+110	

Add:Room303 Weiheng Building No.20 B Area Lanyuan ,Wangyue Rd,Yangzhou Jiangsu P.R.C 225000

Contact Person:John Chang, Sam Chou

Tel: +86-514-8778 2298,8778 2296 FAX:+86-514-8778 2297, 8736 7519

pst@globalsources.com, positioning@china.com, yzforever@163.net,pst@pst888.com

MSN ID: john_chang_370@hotmail.com SKYPE ID : yzforever0313

Marketing web site:www.pst888.com, www.yzpst.net

<http://positioning.en.alibaba.com/> <http://pst.manufacturer.globalsources.com/si/6008819407498/Homepage.htm>



●Thermai Resistances

Symbol	Parameter	Value	Unit
Rth (j-c)	Junction to case	18	°C/W
Rth (j-a)	Junction to ambient	100	°C/W

●Electrical characteristics (T_j=25°C unless otherwise stated)

Symbol	Test Conditions	Value			Unit
		Min	Type	Max	
I _{GT}	V _D =6V, R _L =100 Ω, R _{GK} =1K Ω	-----	-----	200	uA
V _{GT}	V _D =12V, R _L =100 Ω, R _{GK} =1K Ω	-----	-----	0.8	V
V _{GD}	V _D =1/2V _{DRM} , R _{GK} =1K Ω T _j =125°C	0.2	-----	-----	V
I _H	V _D =24V, R _{GK} =1K Ω, I _{TM} =4A	-----	3	6	mA
dV/dt	V _D =2/3V _{DRM} , R _{GK} =1K Ω, T _j =125°C	10	15 [#]	-----	v/μs
V _{TM}	I _{TM} =8A	-----	-----	1.8	V
I _{DRM}	V _D =V _{DRM}	-----	-----	200	uA
I _{RRM}	V _R =V _{RRM}				
		-----	-----	200	uA

Add:Room303 Weiheng Building No.20 B Area Lanyuan ,Wangyue Rd,Yangzhou Jiangsu P.R.C 225000

Contact Person:John Chang, Sam Chou

Tel: +86-514-8778 2298,8778 2296 FAX:+86-514-8778 2297, 8736 7519

pst@globalsources.com, positioning@china.com, yzforever@163.net,pst@pst888.com

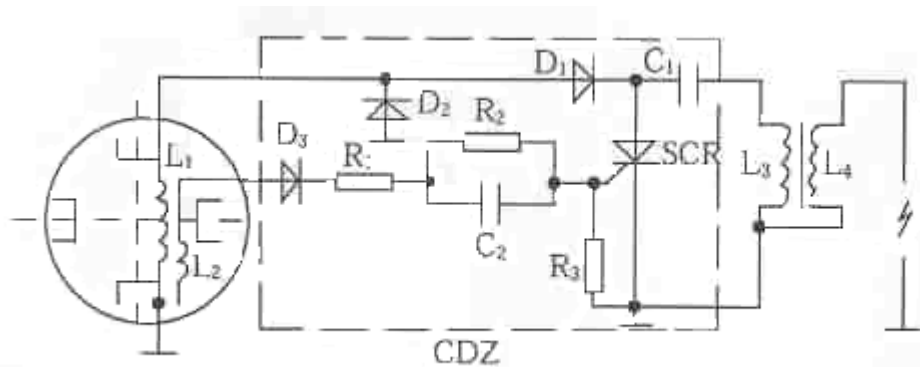
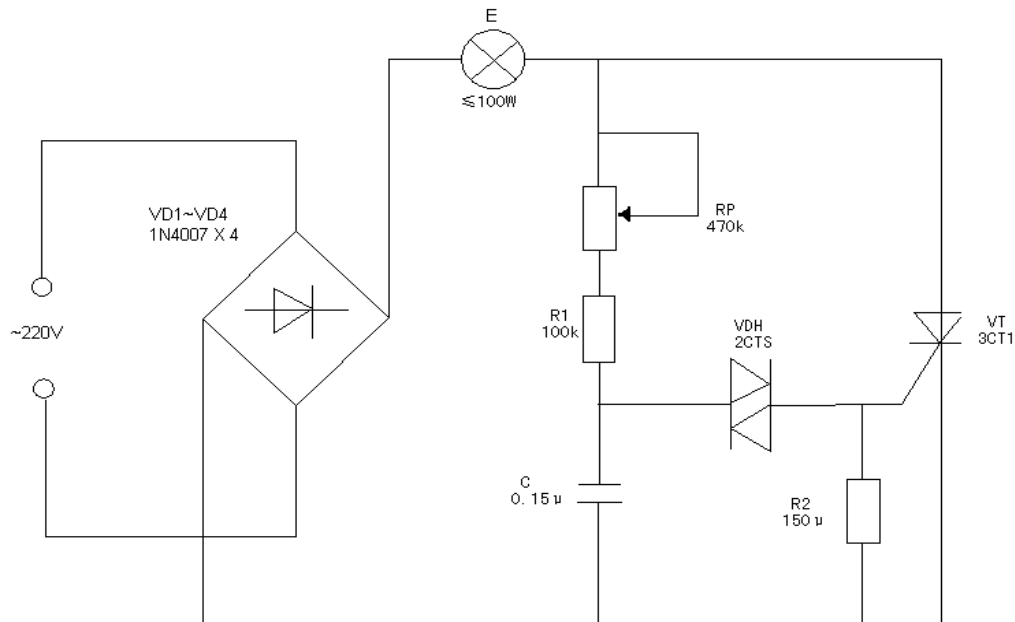
MSN ID: john_chang_370@hotmail.com SKYPE ID : yzforever0313

Marketing web site:www.pst888.com, www.yzpst.net

<http://positioning.en.alibaba.com/> <http://pst.manufacturer.globalsources.com/si/6008819407498/Homepage.htm>



●Electrocircuit:



Add:Room303 Weiheng Building No.20 B Area Lanyuan ,Wangyue Rd,Yangzhou Jiangsu P.R.C 225000

Contact Person:John Chang, Sam Chou

Tel: +86-514-8778 2298,8778 2296 FAX:+86-514-8778 2297, 8736 7519

pst@globalsources.com, positioning@china.com, yzforever@163.net,pst@pst888.com

MSN ID: john_chang_370@hotmail.com SKYPE ID : yzforever0313

Marketing web site:www.pst888.com, www.yzpst.net

<http://positioning.en.alibaba.com/> <http://pst.manufacturer.globalsources.com/si/6008819407498/Homepage.htm>