

Guangdong Yuejing High Technology CO.,LTD.

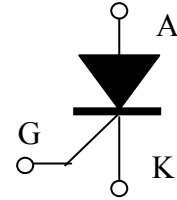
YCT22-8

Sensitive Gate Silicon Controlled Rectifiers

■ ■ **APPLICATION:** High Volume, Line-Powered Consumer Applications.

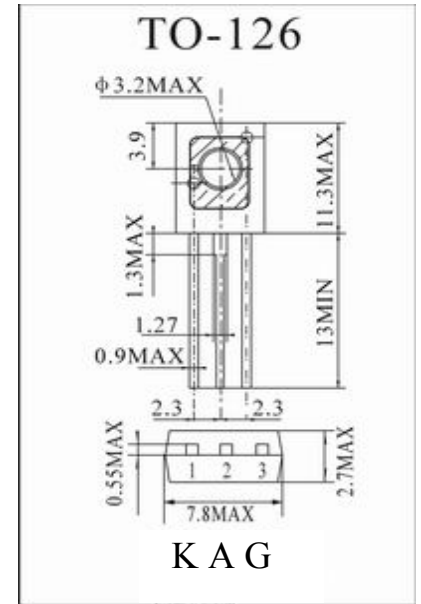
■ ■ **FEATURE:**

- High Blocking Voltage.
- Minimum and Maximum Values of IGT, VGT and IH Specified for Ease of Design.
- Low Peak on State Voltage.



■ ■ **MAXIMUM RATINGS** (Ta = 25°C unless otherwise noted)

CHARACTERISTIC	SYMBOL	VALUE	UNIT
Peak Repetitive Off State Forward Voltage	V _{DRM}	600	V
Peak Repetitive Off State Reverse Voltage	V _{RRM}	600	V
Forward Average Current	I _{T(AV)}	1.5	A
Peak Non-Repetitive Surge Current	I _{TSM}	15	A
Forward Average Gate Power	P _{G(AV)}	0.1	W
Junction Temperature	T _J	110	°C
Storage Temperature Range	T _{stg}	-40~150	°C



■ ■ **ELECTRICAL CHARACTERISTICS** (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	RATING			UNIT
			MIN.	VALUE	MAX.	
Peak on State Voltage	V _{TM}	I _T =4A			1.7	V
Peak Forward Blocking Current	I _{DRM}	V _{DRM} =520V			10	uA
Holding Current	I _H	I _T =0.1A, I _{GT} =0.2mA		2	5	mA
Gate Trigger Current (Continuous dc)	I _{GT}	V _{AK} =6V, R _L =100 Ω	10		30	uA
			20		50	uA
			30		80	uA
			60		120	uA
Gate Trigger Voltage (Continuous dc)	V _{GT}	V _{AK} =6V R _L =100 Ω		0.5	0.8	V
Gate Non-Trigger Voltage	V _{GD}	V _{DRM} =400V, R _{GK} =1K Ω T _J =110°C	0.1			V

■ ■ **IGT Classification And Marking**

Print Mark	T22-8			
Classification	A	B	C	D
IGT(mA)	10~30	20~50	30~80	60~120