

# JIEJIE MICROELECTRONICS CO., LTD.

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TYN30H-800C 30A SCR

Rev.A.1.1

## DESCRIPTION:

With high ability to withstand the shock loading of large current, TYN30H-800C of silicon controlled rectifiers provides high dV/dt rate with strong resistance to electromagnetic interference.

It is especially recommended for use on solid state relay, motorcycle, power charger, T-tools etc. Package TO-220C is RoHS compliant.

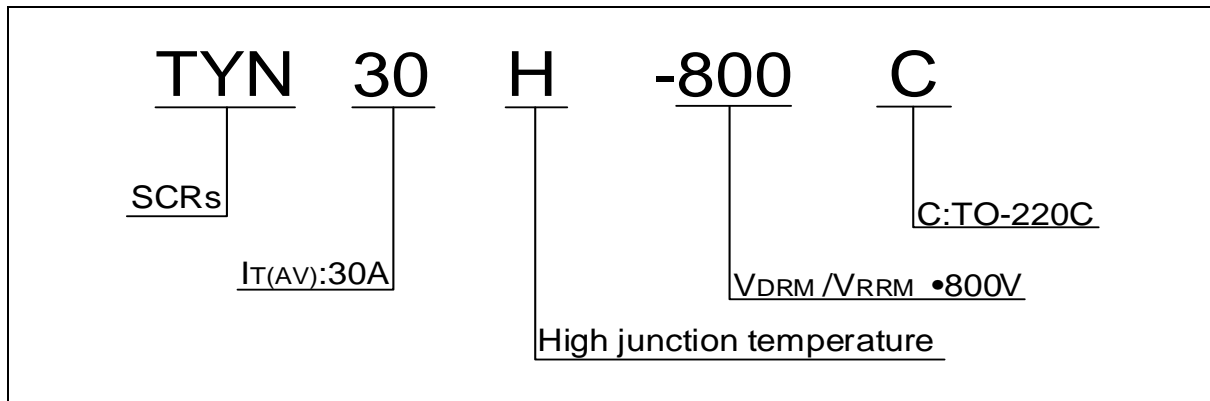
## MAIN FEATURES

Symbol	Value	Unit	
$I_{T(AV)}$	30	A	10 (m533.4 70.31 22.68 re f 325.28 533.4 0.418

Peak gate current ( $t_p=20\text{ s}$ , $T_j=150\text{ }^\circ\text{C}$ )	$I_{GM}$	10	A
Average gate power dissipation ( $T_j=150\text{ }^\circ\text{C}$ )	$P_{G(AV)}$	1	W
Peak gate power	$P_{GM}$	20	W
Peak pulse voltage ( $T_j=25\text{ }^\circ\text{C}$ ; non-repetitive,off-state;FIG.7)	$V_{pp}$	0.5	kV

## ELECTRICAL CHARACTERISTICS

ORDERING INFORMATION



MARKING

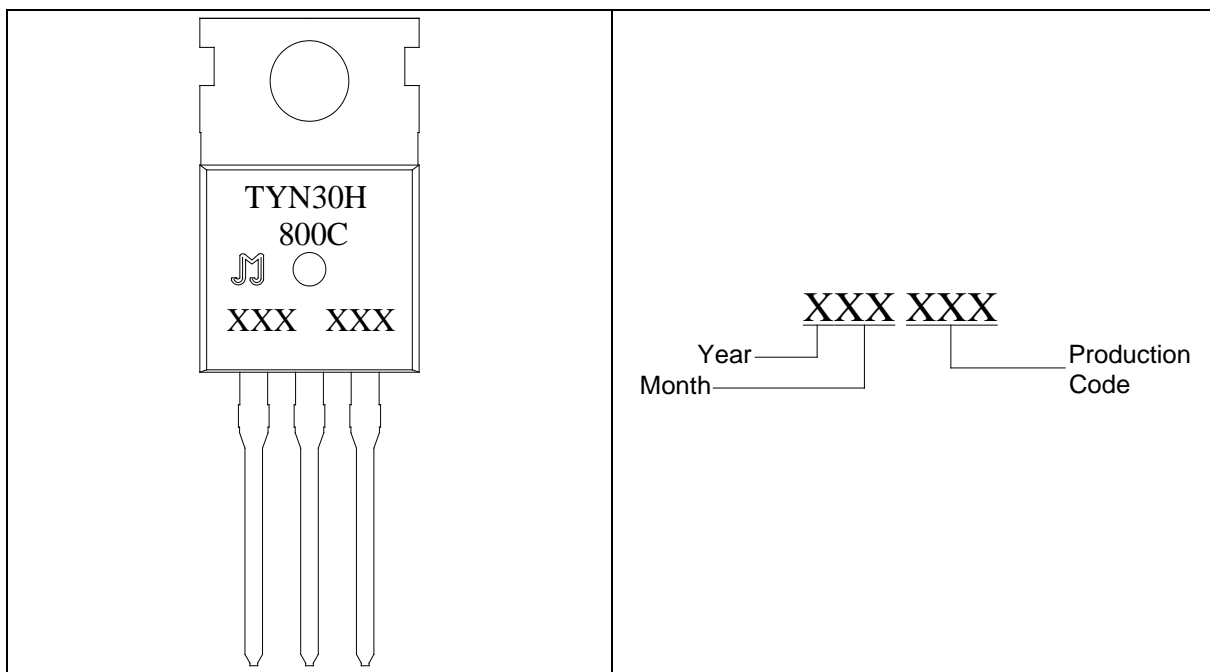
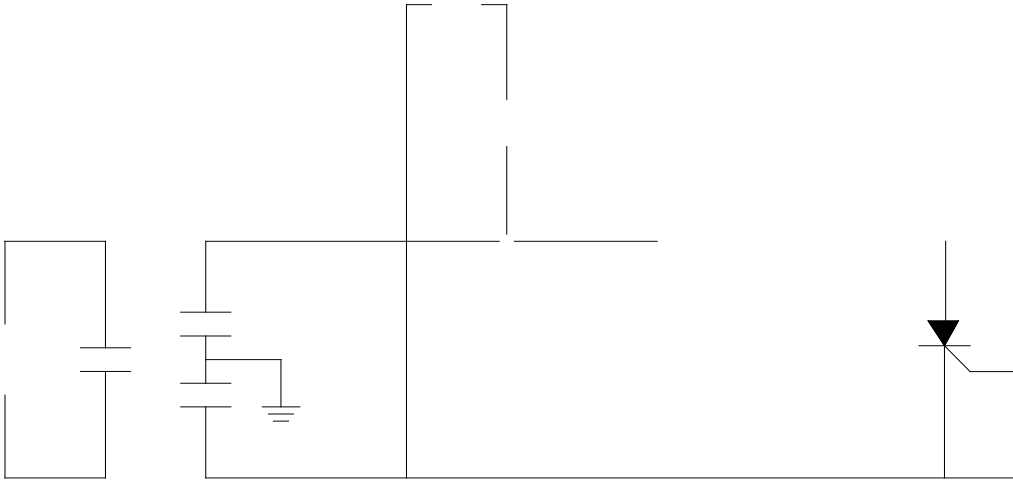


FIG.1: Maximum power dissipation versus  
RMS on-state current

FIG.2: RMS on-state current versus case  
temperature

FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.



TYN30H-800C

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