

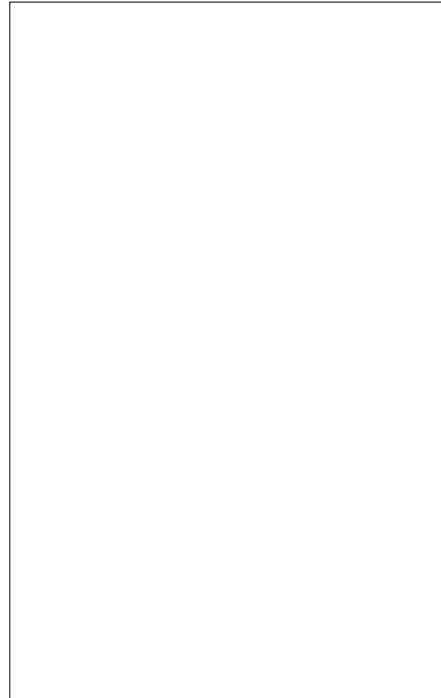


## TYN90H-1600CS 90A SCR

Rev.A.1.1

### DESCRIPTION:

With high ability to withstand the shock loading of large current, TYN90H-1600CS SCR provides high dV/dt rate with strong resistance to electromagnetic interference. It is especially recommended for use on solid state relay, UPS, SVC, power charger, T-tools etc. Package TO-247S is RoHS compliant.



### MAIN FEATURES

Symbol	Value	Unit
$I_{T(AV)}$	90	A
$V_{DRM}/V_{RRM}$	1600	V
$I_{GT}$	10-80	mA

### ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	$T_{stg}$	-40-150	
Operating junction temperature range	$T_j$	-40-150	

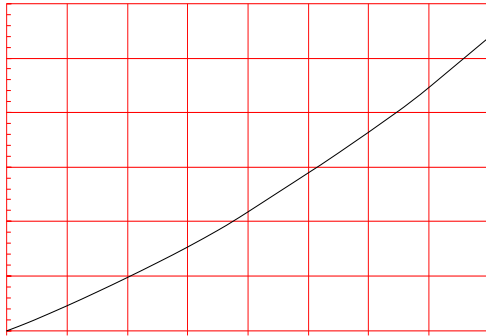
Operating temperature range

$T_{op}$  ak2(i or)7(f)22(f) Tc 0 Tw ( )Tj8 Td [(t)1 0.004 Tc -0.004 Tw

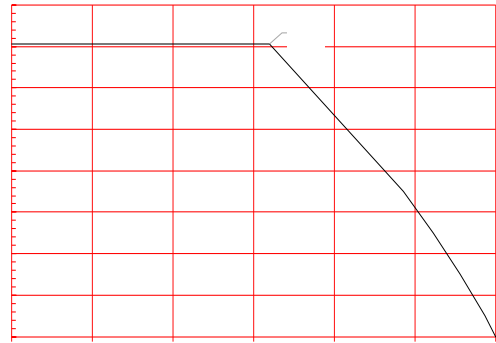




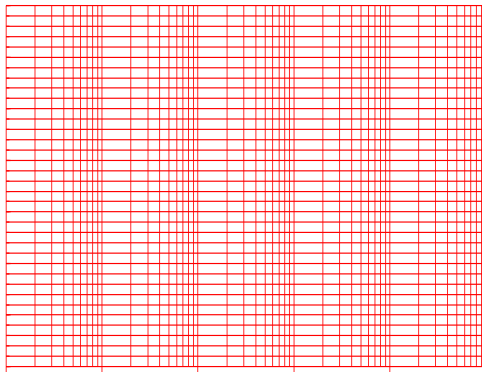
**FIG.1:** Maximum power dissipation versus RMS on-state current



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



**FIG.3:** Surge peak on-state current versus number of cycles



**FIG.4:** On-state characteristics



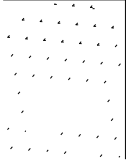
**ORDERING INFORMATION**

<b>Order code</b>	<b>Voltage <math>V_{DRM}/V_{RRM}</math> (V)</b>	<b>IGT(mA)</b>	<b>Package</b>	<b>Base qty. (pcs)</b>	<b>Delivery mode</b>
<b>TYN90H-1600CS</b>	<b>1600</b>	<b>10-80</b>	<b>TO-247S</b>	<b>30</b>	<b>Tube</b>


**Document Revision History**

<b>Date</b>	<b>Revision</b>	<b>Changes</b>
Apr.13, 2023	A.1.0	Last update
Oct.16, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

**PACKAGE MECHANICAL DATA**



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