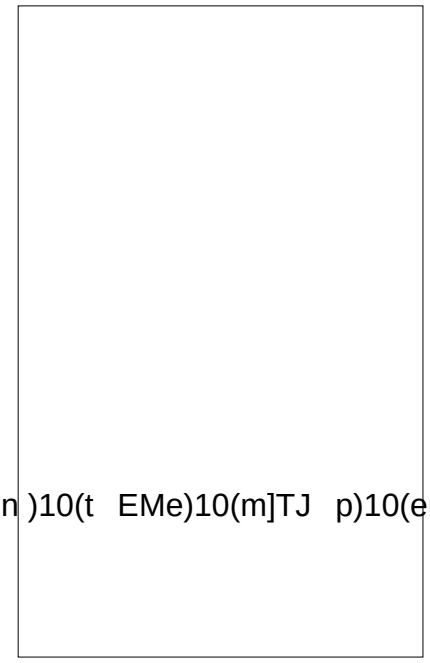
TYN50H-1600SJ 50A SCR

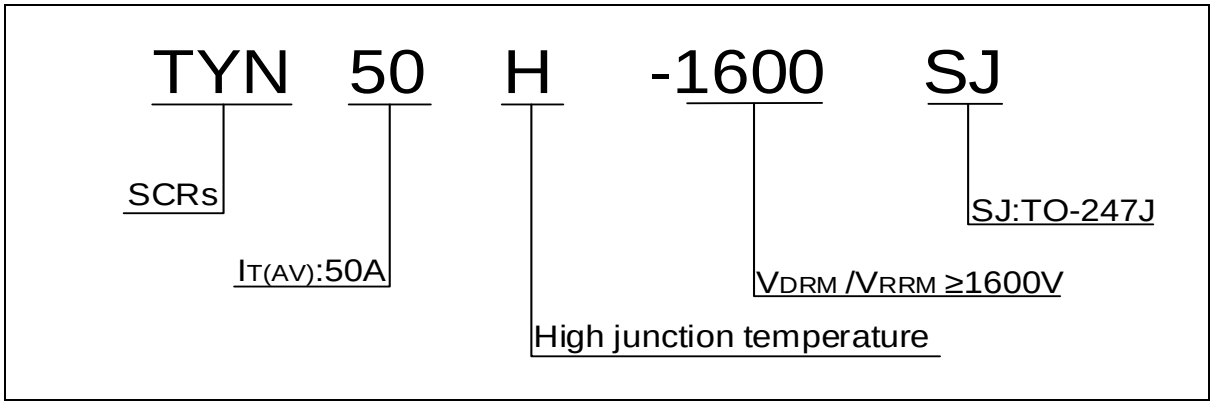
Rev.A.2.1

With high ability to withstand the shock loading of large current, TYN50H-1600SJ 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-247J is RoHS compliant.



Symbol	Value	Unit
$I_{T(AV)}$ k(t EMor)7(ag)10(e j 1Munc)14(t EMi 1Mon)10(t EMe)10(m]TJ p)10(er)7(at-1.5(ur)		

Average gate power dissipation (T_j=150)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	22	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	VW WWW W		


TYN 50 H -1600 SJ
SCRs
IT(AV):50A
High junction temperature
VDRM /VRRM ≥1600V
SJ:TO-247J

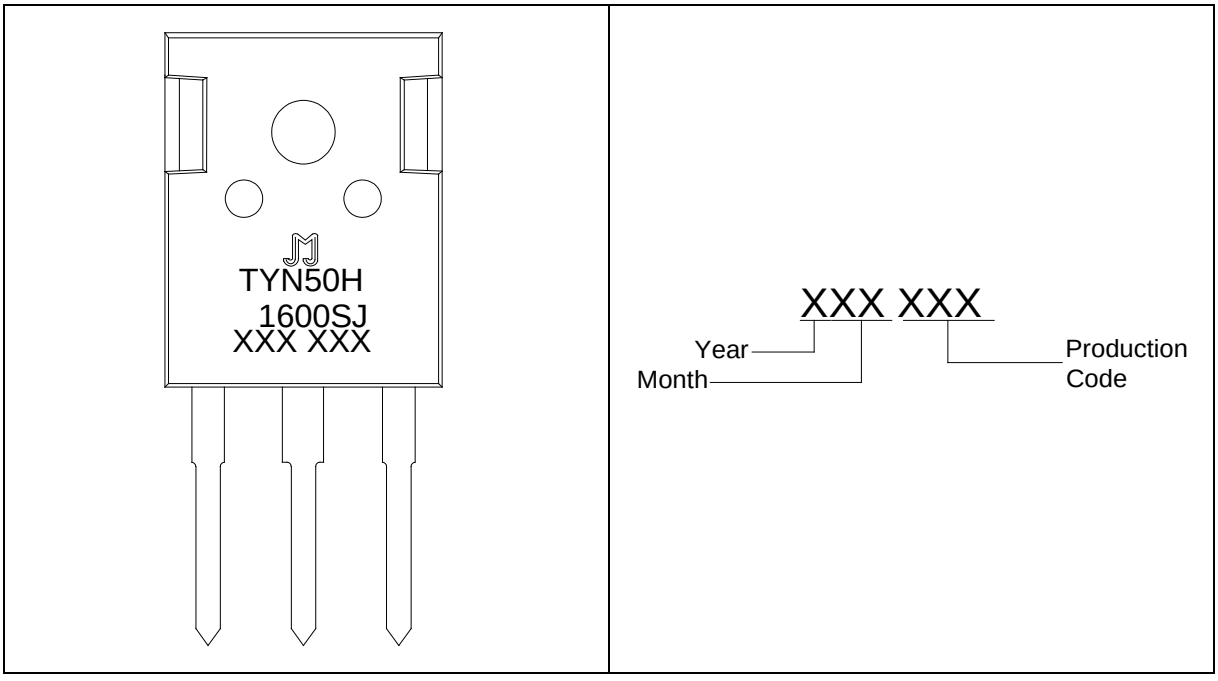
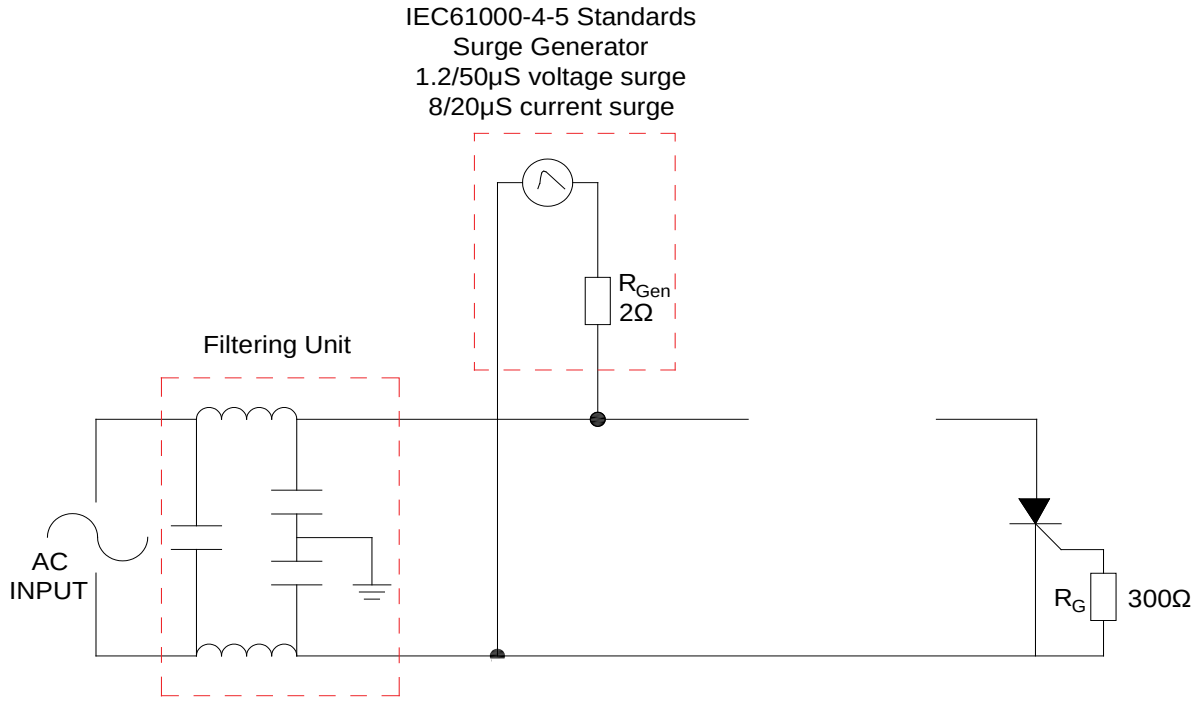

TYN50H
1600SJ
XXX XXX
XXX XXX
Year
Month
Production
Code

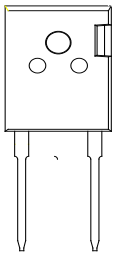
FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.

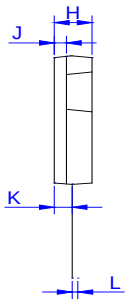


Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
TYN50H-1600SJ	1600	10-80	TO-247J	30	Tube

Document Revision History

Date	Revision	Changes
Apr.13, 2023	A.1.0	Last update
Jan.9, 2025	A.2.0	Update Package
Oct.16, 2025	A.2.1	Revise PACKAGE MECHANICAL DATA





Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	15.50		16.10	0.610		0.634
B1	3.10		3.50	0.122		0.138
C	19.70		20.30	0.776		0.799
D	2.90		3.30	0.114		0.130
E	1.90		2.30	0.075		0.091
F	1.00		1.40	0.039		0.055
G		5.44			0.214	
H	4.80		5.20	0.189		0.205
J	1.90		2.10	0.075		0.083
K	2.20		2.50	0.087		0.098
L	0.41		0.79	0.016		0.031