



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
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$I_{T(AV)}$ 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		

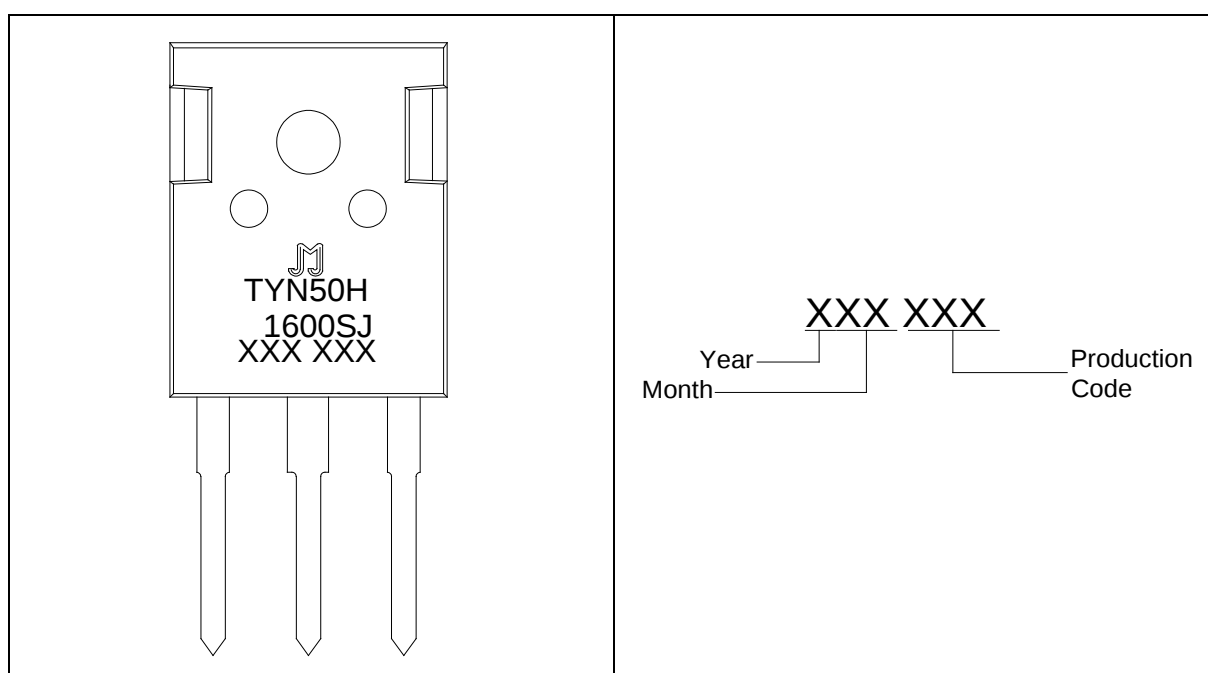
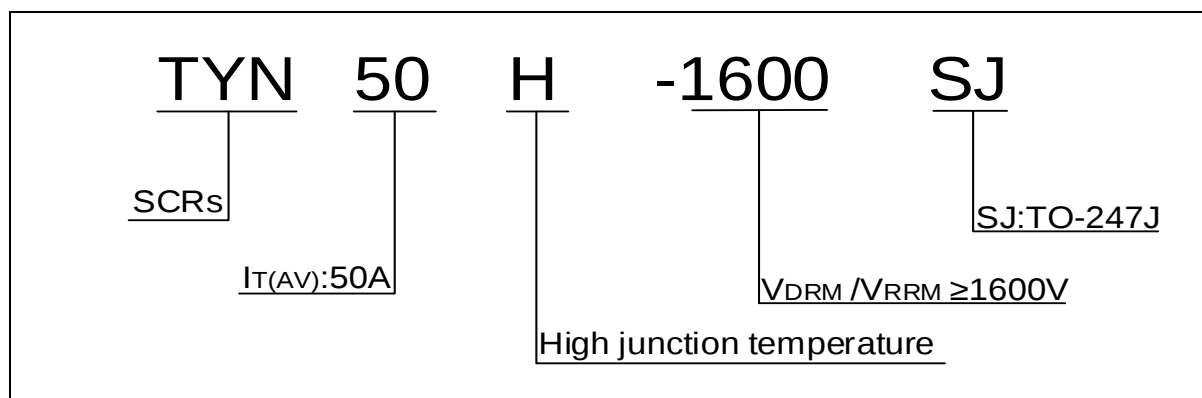
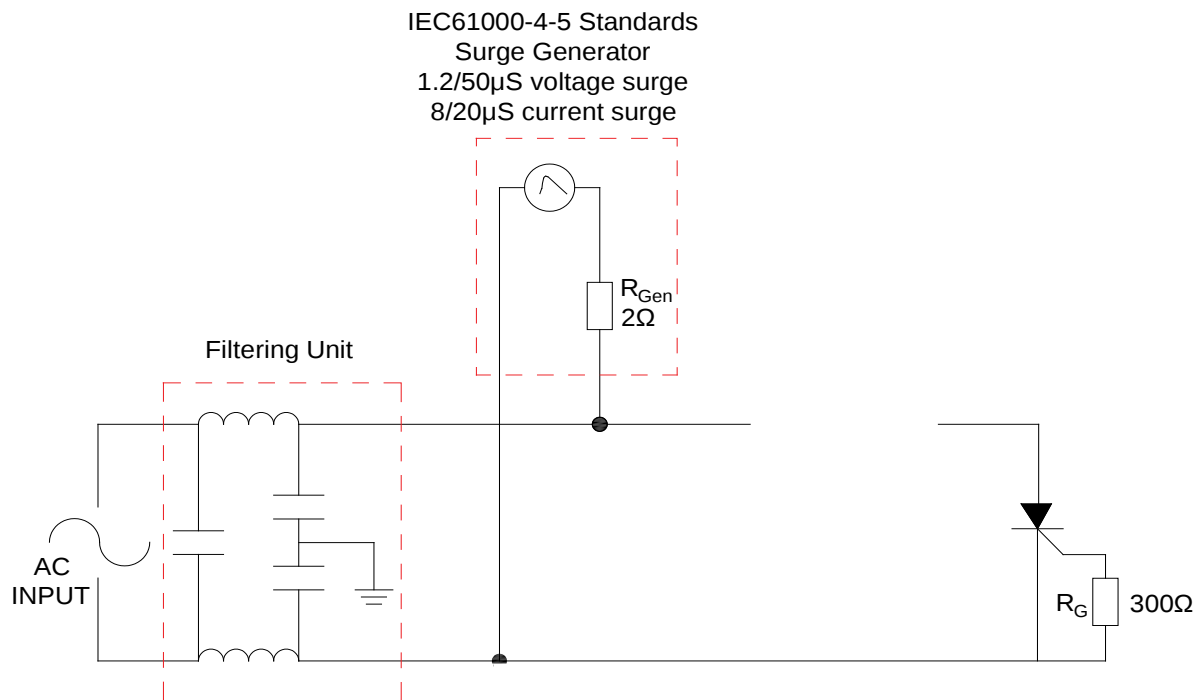


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.

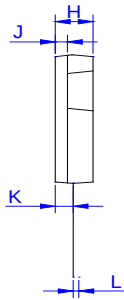
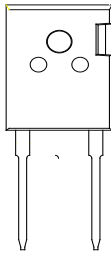




Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
TYN50H-1600SJ	1600	10-80	TO-247J	30	Tube

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

