

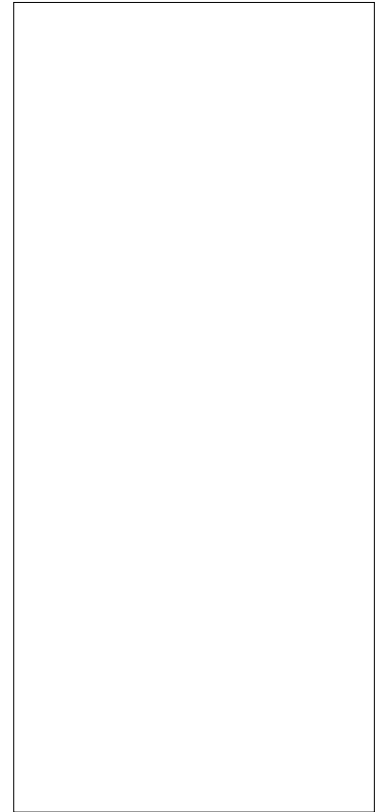


**ACJP04K-800SW 4A TRIAC**

Rev.A.1.0

**DESCRIPTION:**

The ACJP04K-800SW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. The ACJP04K-800SW embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000



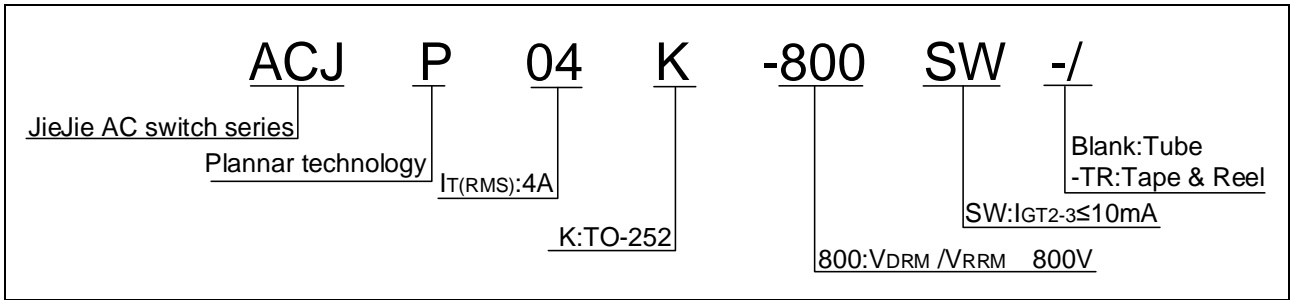
Average gate power dissipation ( $T_j=125$ )	$P_{G(AV)}$	0.5	W
Peak gate power	$P_{GM}$	10	W
Peak pulse voltage ( $T_j=25$ ; non-repetitive, off-state; FIG.8)	$V_{pp}$	2.75	kV

**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

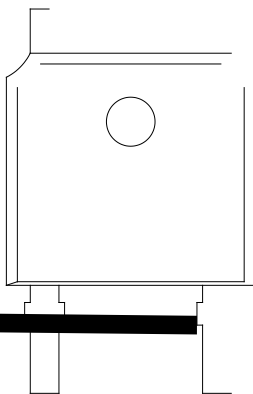
Symbol	Test Condition	Quadrant	Value		Unit
$I_{GT}$	$V_D=12V$ $R_L=33\Omega$	-	MAX.	10	mA
$V_{GT}$		-	MAX.	1.3	V
$V_{GD}$	$V_D=V_{DRM}$ $T_j=125$ $R_L=3.3K\Omega$	-	MIN.	0.15	V

$$I_L \quad I_G = 1.2I_{GT}$$

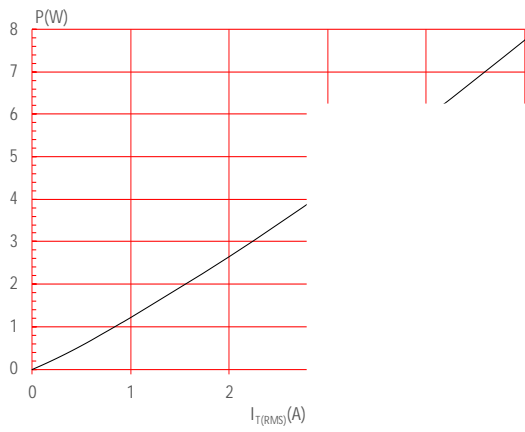
ORDERING INFORMATION



MARKING



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



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

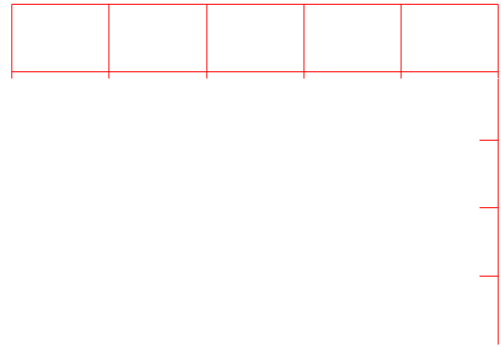


FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

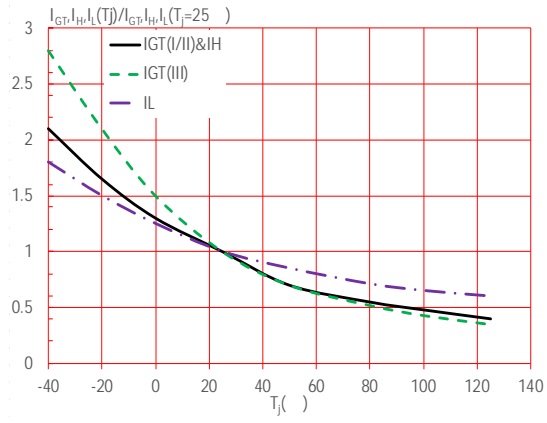
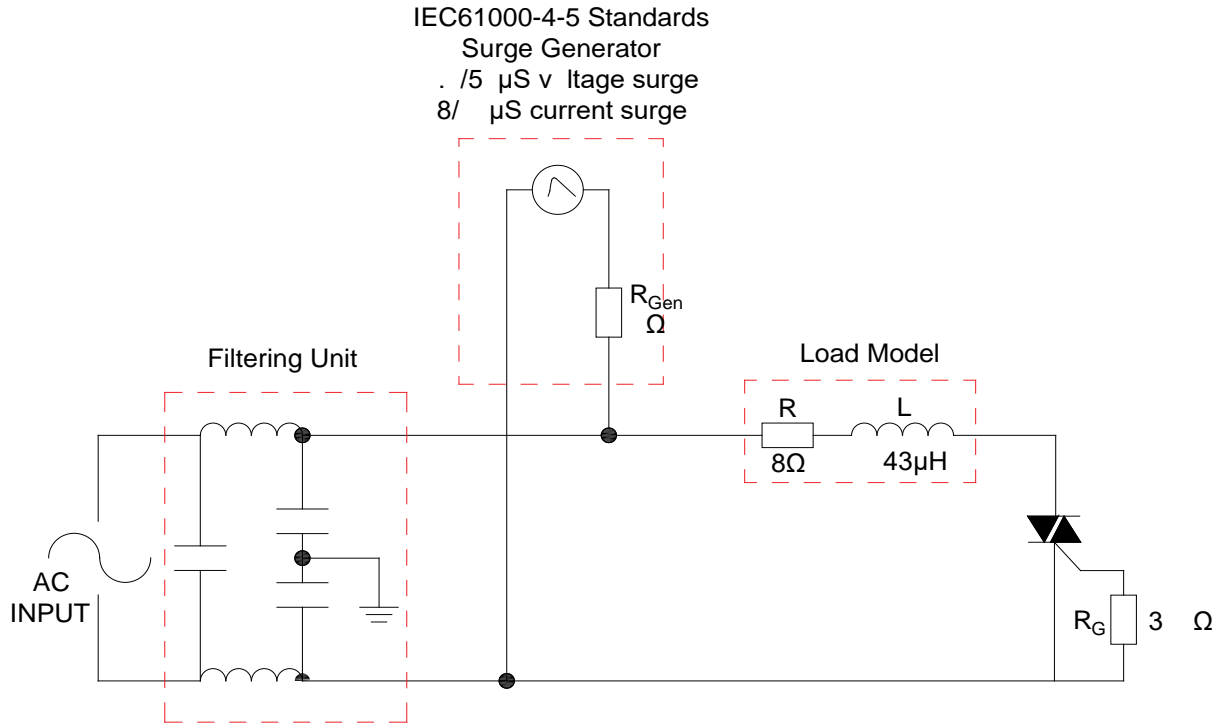


FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



**ORDERING INFORMATION**

Order code	Voltage $V_{DRM}/V_{RRM}$ (V)	IGT(mA)	Package	Base qty. O
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PACKAGE MECHANICAL DATA


Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.10		2.50	0.083		0.098
A2	0		0.15	0		0.006
B	0.66		0.86	0.026		0.034
C	0.40		0.60	0.016		0.024
D						
E	6.40					
G						
H	9.50		10.70	0.374		0.421
L				0.053		0.0650.7.!
V1						
V2						



**DELIVERY MODE**

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