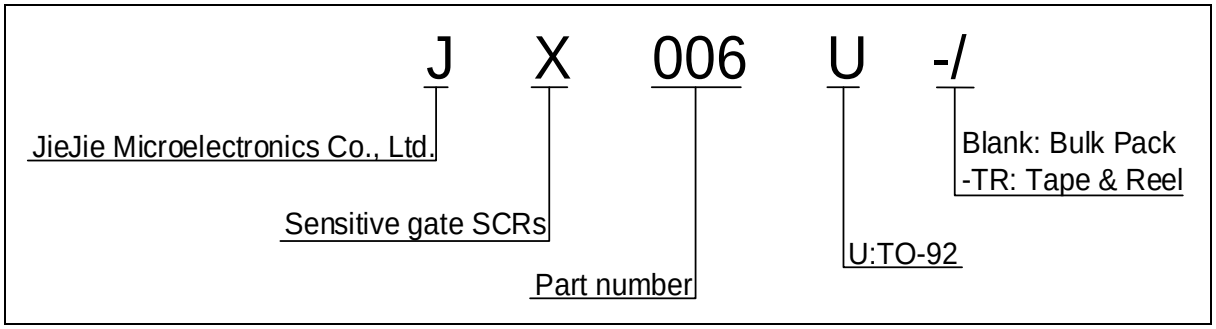
Peak gate power	P_{GM}	0.5	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	0.5	kV

NOTE 1: Operating junction temperature T_j is up to 125 when a resistor ≤1kΩ is connected between Gate and Cathode. Without this resistor, the T_j is up to 110 only.

> d Z / > , Z d Z~/ÆA ûñ^ unless otherwise specified •

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	• 0 H ,y‡ 6†Xc Š

K Z Z / E ' / E & K Z D d / K E



D Z < / E '

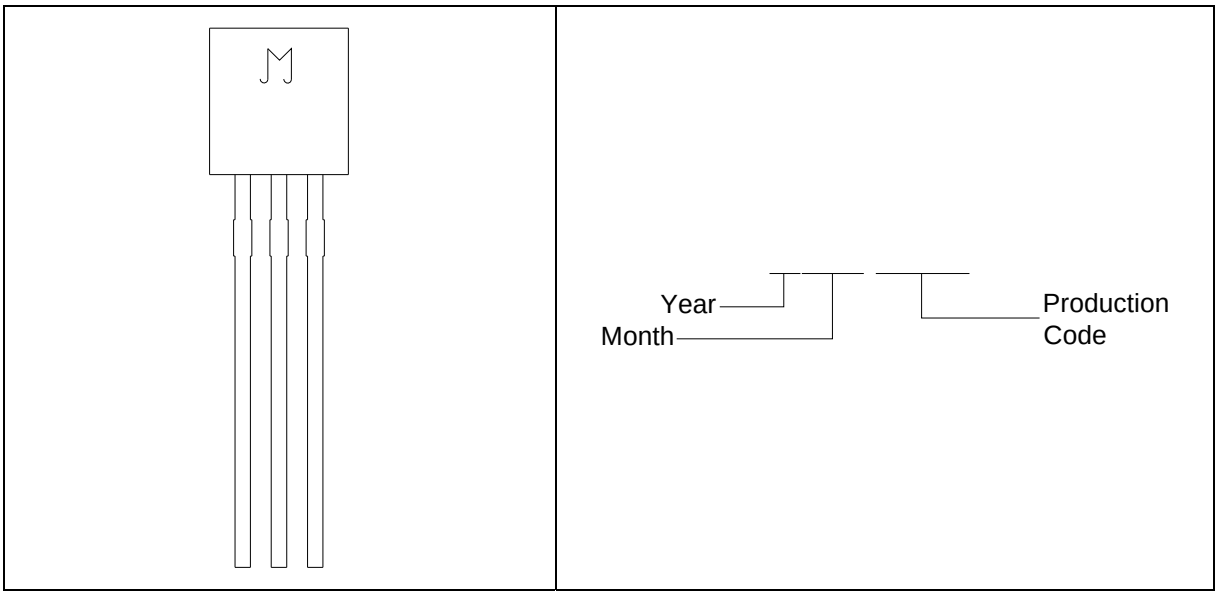
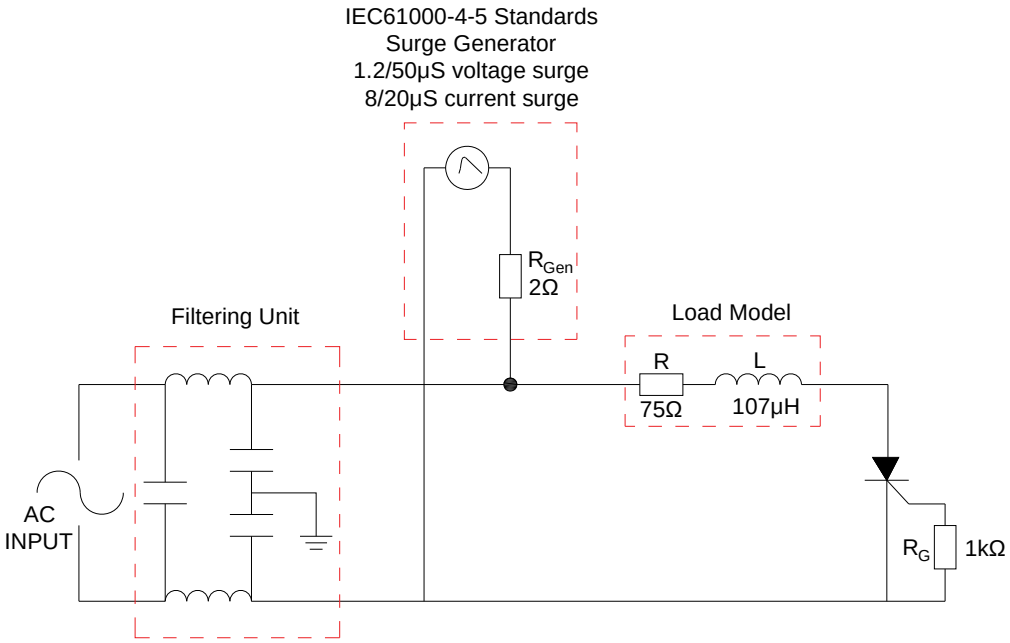


FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.



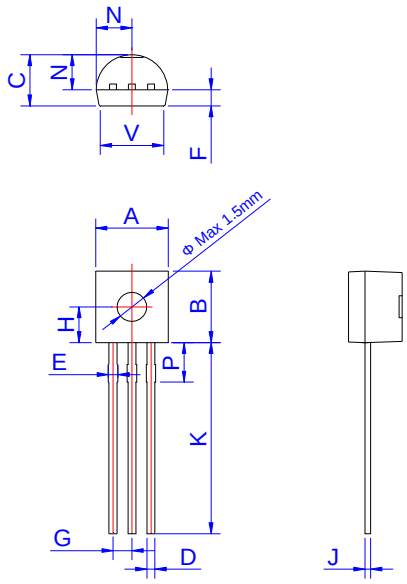
K Z Z / E ' / E & K Z D d / K E

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(εA)	Package	Base qty. (pcs)	Delivery mode
JX006U	600	Ò80	TO-92	1,000	Bulk Pack
JX006U-TR				2,000	Tape & Reel

Document Revision History

Date	Revision	Changes

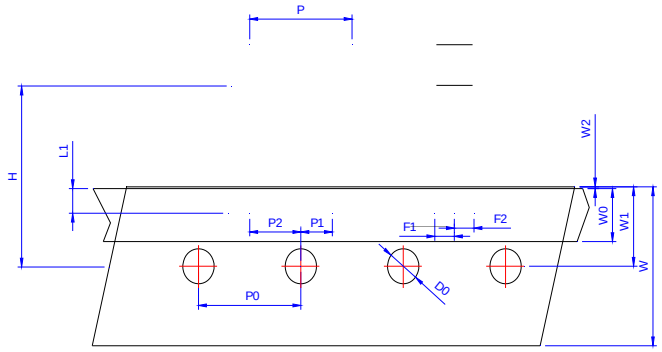
W < ' D , E / > d



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	4.45					
B	4.32					
C	3.1 U	1	f.			
D		M !	N p	'	1 ض	4
E						
F						
G						
H						
J						
K						
N						
P						
V						

> / s Z z D K

PACKAGE	OUTLINE	BAG (PCS)	INNER BOX (PCS)	CARTON BOX (PCS)
TO-92	Bulk Pack	1,000	10,000	50,000



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
P	12.40	12.70	13.00	0.488	0.500	0.512
P0	12.40	12.70	13.00	0.488	0.500	0.512
P1	3.55	3.85	4.15	0.140	0.152	0.163
P2	5.95	6.35	6.75	0.233	0.250	0.265
, P	-1.00	0	1.00	-0.039	0	0.039
F1 ÃF2	2.30	2.50	2.70	0.090	0.098	0.106
F1-F2	-0.10	0	0.10	-0.004	0	0.004
W	17.50	18.00	19.00	0.689	0.709	0.748
W0	5.50	6.00	6.50	0.217	0.236	0.256
W1	8.50	9.00	9.50	0.335	0.354	0.374
W2			1.00			0.039
D0	3.80	4.00	4.20	0.150	0.157	0.165
, H	-1.00	0	1.00	-0.039	0	0.039
L1	2.50			0.098		
H	18.00	19.00	20.00	0.709	0.748	0.787
H1 ÃH2			3.00			0.119

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