

>L\$\$* I''



>]Y>]Y' A]WfcY`YWhfcb]Wg'7c"z'@hX"

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

BCH9'%. Operating junction temperature T_j is up to 125 when a resistor 1k is connected between Gate and Cathode. Without this resistor, the T_j is up to 110 only.

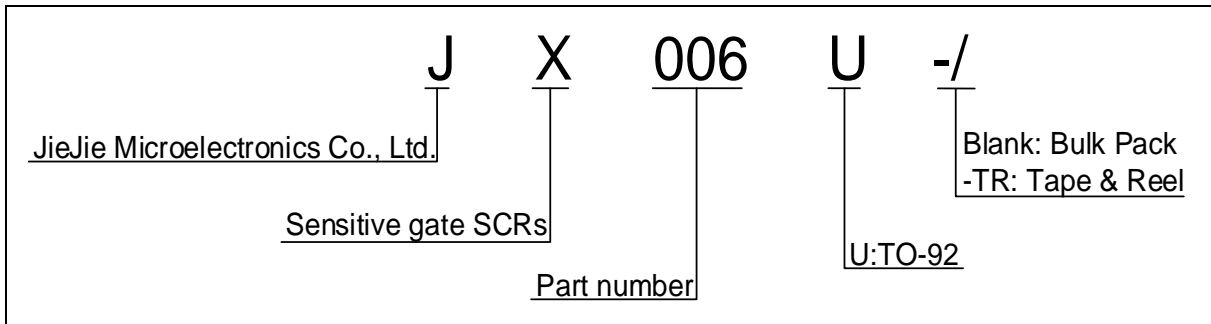
> d Z / > , Z d Z~;A d ĩun less otherwise specified •

Gma Vc''	HYgh'7cbX]h]cb'	JU' iY'			I b]h' . ,y‡ 6†Xc Š
		A=B''	HMD''	A5L'' • 0 H'	

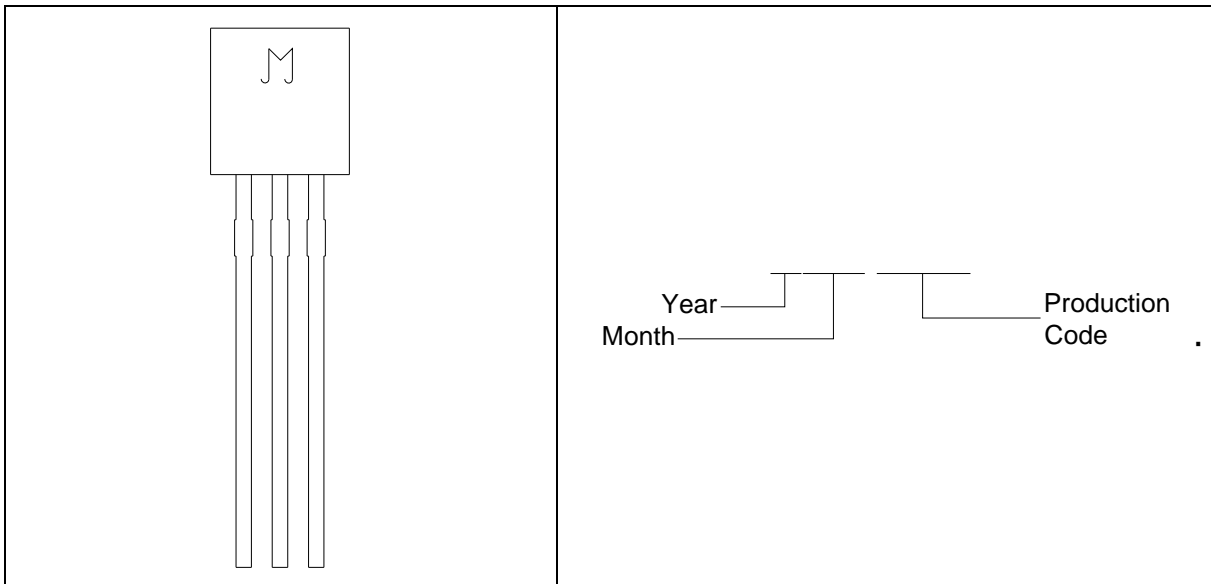
>L\$\$* I''

 >]Y>]Y' A]WfcY`YWhfcb]Wg'7c"z'@hX"

KZ Z/E' /E&KZD d/KE



D Z</E'



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>L\$\$\$* I ' ' .

M >]Y>]Y' A]WfcY`YWhfcb]Wg'7 c"z'@hX"

:: ; "% . Maximum power dissipation versus
RMS on-state current

:: ; "& . RMS on-state current versus case
temperature

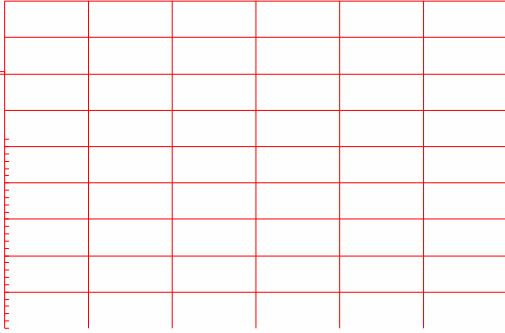
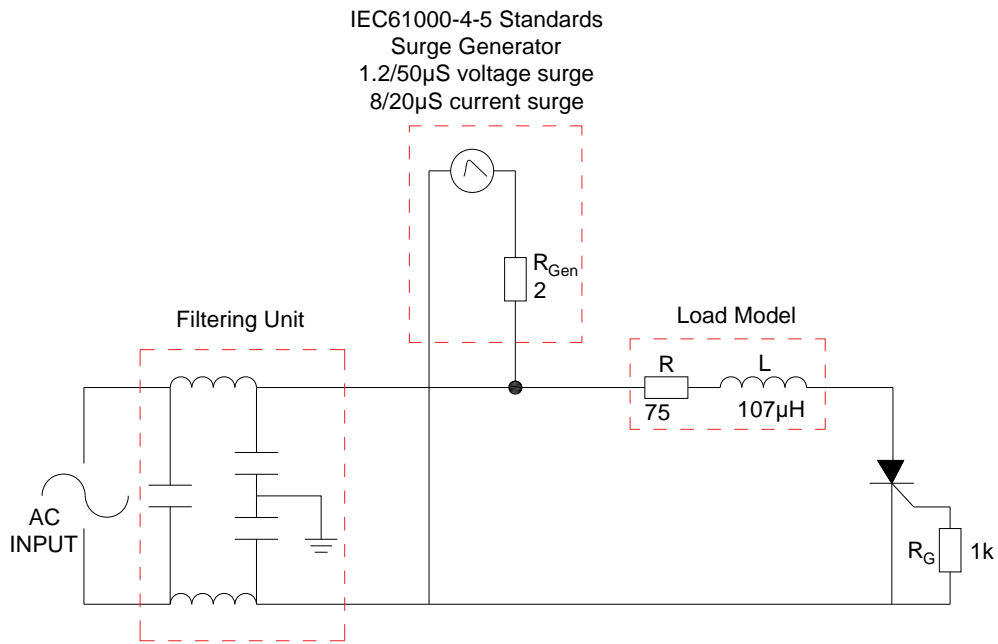


FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.



>L\$\$\$* I''

 >]Y>]Y' A]WfcY' YWhfcb]Wg' 7 c"z' @hX"

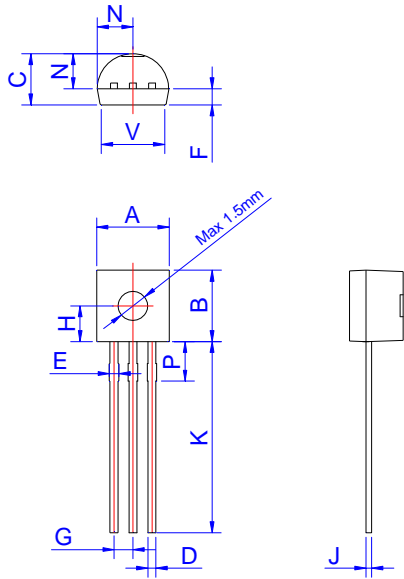
KZ Z/E' /E&KZD d/KE

CfXYf'WcXY'	Jc`hU[Y' J8FA#JFFA'flJL'	= ; Hfl 5L'	DUW_U[Y'	6UgY'ehm'' fidWgL'	8Y]jYfm' a cXY'
>L\$\$\$* I'	*\$\$'	®, \$'	HC! -&'	%z\$\$\$'	6 i`_'DUW_'
>L\$\$\$* I!HF'				&z\$\$\$'	HUdY' /'FYY''

8cWi aYbh'FY j]g]cb' <]ghcfm'

Date	Revision	Changes
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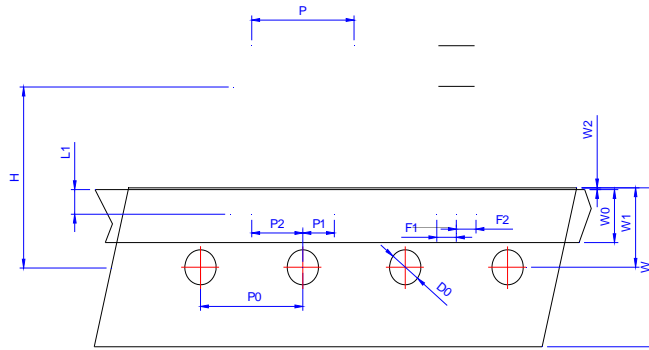
W < ' D , E / > d



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		1	
E						
F						
G						
H						
J						
K						
N						
P						
V						

>/s Zz DK

D57?5 ; 9'	C I H@=B9'	65 ; fID7Gt'	=BB9F'6CL' fID7Gt'	75 FHCB'6CL' fID7Gt'
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 ~ F2	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 ~ H2			3.00			0.119

