

=0& iH 1RPLQDO & DSDFLWDQFH
f Z f i • p ? ~ ! • , D 6 f i • > ž / p M , ° ' !
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5DWHG 9ROWDJH	
f Z f i • p ? ~ ! • , D 6 f i • > ž / p M , ° ' !	
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3DFNDJLQJ 6W\OH		
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K7P ~ E ' < f Æ P P μ	
/HDG & RQILJXUDWLRQ	
	5L\ » D 7DSH ZLGWK PP
	5L\ » D 7DSH ZLGWK PP

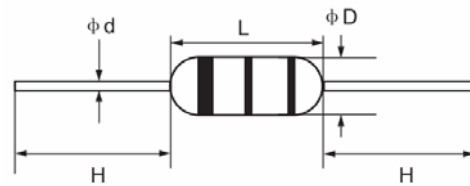
1 L~p.

([WHUQDO 'LPHQVLRQV

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% XON 3URGXFWV "TL 8QdLWP

p.úr 6L]H &RGH	/	Ó '	ÓG	+
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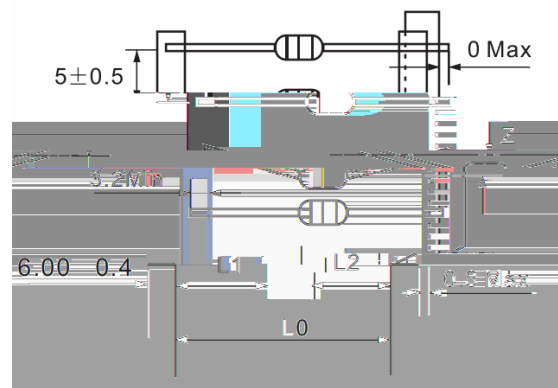


5L\p.

7DSLQJ GLPHQVLRQV

÷ f 8QÖWP

5L\iE 7DSH 6W\OH	/	=	Š / / Š
5L\»D Æ 7DSH :LGWK	"	PD[PD[
5L\»D Æ 7DSH :LGWK	a	PD[



1 %M-]#•B i#

5HOLDELOLW\ 7HVW 0HWKRG

N-\$,WHP	¶e?."x 7HFKQLFDO 6SHFLILFD		#•B i# Å=# WLRQ 7HVW 0HWKRG DQG 5HPDUNV		
iH &DSDFLWD &DQFH	,2± &ODVV	É1\>=Đ,°B%\$4Ý a ZLWKLQ WKH V 'WROHUDQFH	=0&iH &DSDFLWD	#•B NÇ)½ OHHDVXULQJ)UH	#•B +kÁ 0HDVXULQJ TRDQVJH
			&" S)	0 += "	" 9
	,2± &ODVV	É1\>=Đ,°B%\$4Ý a ZLWKLQ WKH V 'WROHUDQFH	=0&iH &DSDFLWD	#•B NÇ)½ OHHDVXULQJ)UH	#•B +kÁ TXHDQKULQJ 9ROWDJH
			&" X)	. += "	" 9
•6M@ !™ = 'LVVLSDWLRQ)DFWRU ')	,2± &ODVV	&• S) ')" &Ø S) ')" > & @ ;	=0&iH &DSDFLWD	#•B NÇ)½ OHHDVXULQJ)UH	#•B +kÁ TXHDQKULQJ 9ROWDJH
			" S)	0 += "	" 9
	,2± &ODVV	% ')"	=0&iH &DSDFLWD	#•B NÇ)½ OHHDVXULQJ)UH	#•B +kÁ TXHDQKULQJ 9ROWDJH
			&" X)	. += "	" 9
55N+kLq ,QVXODWLRQ 5HVLVWDQFH	,2± &ODVV	&" Q) ,5• 0 ,&! Q) 5 &•)	#•B +kÁ NÓĐ+kÁ 0HDVXULQJ 9ROWDJH 5DWHG 9ROWDJH #•B ,L* f 0 'XUDWLRQ " V		
	,2± &ODVV	&" Q) ,5• 0 ,&! Q) 5 &•)	#•B \$µ ÜÆ" 7HVW +XPLGLW\ " #•B \$ _ÜÆ f 7HVW 7HPSUDWXUH #•B {t+k+k#wÆ" P\$ 7HVW &XUUHQW " P\$		
6F\$ix] 6ROYHQW WDQFH	L?ø %?÷•ZL8n =Aæ\$; !> 1R GHIHFVW RU DEQRUPDOLWLHV 5HQLDSSHDUDQFH DQG PDUNLQJ		\$ix\$ _ÜÆ f 6ROYHQW WHPHUDWXUH f <m÷#@^\$ixc <JÖ,+^7g78ÿ^m÷? = Gfm !W,H C !W SXW WKH VDPSOH LQWR VROYHQW 0LQ, DQG WKH EUXVK VDPSOH V QRWDWLRQ DUHD WLPHV ZLWK WLPHV WK SOHGJHW UHSHDW WLPHV		

N-\$,WHP	¶e?."x 7HFKQLFDO 6SHFLILFDW	#•B ĩ# Â =# 7HVW 0HWKRG DQG 5HPDUNV WLRQ
6F+k Á :LWKVWDQ 9ROWDJH	C Ê ? C^>á 1 0µL•Z GL QJ 1R EUHDNGR GDPDJH	#•B+k Á 0HDVXULQJ ÖROWDJH 2± NÓĐ+k Á &ODVV 5DWHG YROWDJH 2± NÓĐ+k Á &ODVV 5DWHG YROWDJH 75#,L* f 0 'XUDWLRQ " V { t+k+k#w C ÊC»Eý P\$ 7KH FKDUJH GLVFKDUJH FXUUHQW LV OHVV WKDQ P\$ 1% †DL>ûL*%HWZHHQ WHUPLQDOV DQG ERG\ 6 Ö+k ÁÆ 8 5 ZQ RU 75#,L*Æ a V 9 R O W D J H W L P H V U D W H G Y R O W D J H 'XUDWLRQ H "IE*9# 6PDOO PHWDOOLF EDOO PHWKRQ <+kĩžb%o >-%-*°p PP,°H "E*9,°ĩžc, +*D 1%j: PP,°b%oC > >BPÂ+k Á ó Ö ^.#D% D%1% † ÂH "E*9•L* > 6PDOO PHWDOOLF EDPOHWHZLVWKKDROFOCEI S Q V W K H W H V W H F D S VKDOO EH VXEPHUJHG H[FHSW PP IURP\WKHG WRSR HWLWPL Q B E 7KH WHVW YROWDJH VKDOO EH DSSOHLWRSL Q B O V Z H D Q G W K K H V K H R W EDOOV
%@] 6ROGHU D	@KW)½ Ê] Ä /HDG ZLUH ELOLW\ FRYHUHG QHZ VROGHU FRDWLQJ	<+kĩžK46#@> a? 'Oĩ,°G~26\$ĩ#èc 0 ,ID#@, \$_ Üp " ,°H " @KW)½ Ê] Ä X 0 # EÆ+kĩžb%o ËM^D/nKWM^4Ü a PÄ WKH OHDG ZLUH RI FDSDFLWRU LV GLSSLQJ WKDQ DRU VRVLQ ZLWKHDLQWR PROWHQ VÄROGHU' 6ORU\$J &X V ,Q ERWK FDVH GHSWK RI GLSSLQJ LV XS WR DERXW a PP IURP WKH WHUPL KW\$_Æ " ,L*Æ f V 6ROGHU WHPSHUDWXUH " f V 'XUDWLRQ û& & #@>—,Æ<+kĩž >ĐÜp PP,Š°p PP,°3&µ> & * 0 f ,PPHUVHG FRQGLWLRQWKH,Q&HURDUGLZURK PPGLDPHWHU L f S) /Ä,2± C^,BPÂD,Ê^=ü—,A~C f E,Df#B > 5HFRYHU\RU FODVV , " KRXUV RI UHFYHU\ XQGHU WKH 6ROGHULQL?ø %?÷•Z 75#,L*Æ a V W K O R R I U H Ä 0 O H V O H p W b H _ Ä Đ` +HDW 1R VLJQLILFDQW DEQRUPDOLW\ LQ DSSHDUDQFH

N-\$,WHP	¶e?."x 7HFKQLFDO 6SHFLILFDWLRQ		#*B i# Å=# 7HVW 0HWKRG DQG 5HPDUNV
Q\$_CU9- +LJK 7HPSHUDWXUH /RDGLQJ 7HVW	• & & & * 0f Lf S) ; 5 0f <) 0 f ') &2* &U S) 0 Ø &Ψ0 Ä &Å ; 5 0 <) 0 &50 X) 0 X)Ú &5Ú X) 0 &51 X) ,5 55N+kLq,QVXODWLRQ 5HVLVWDQFH 1 0i R Uj)E'Er :KLFKHYHU LV L?ø %?÷•Z \$SSHDUDQFH QR YLVLEOH GDPDJH		+k ÁÆ CNÓĐ+k Á ,L*Æ E, \$_ÜÆ& * ; 5 < 9 {+k+k#w ÆC ÊC»Ey P\$ t5#— ,Æ Ú\$_ t5# ,L*Æ E, ' & j ,L E, ' ; 5 < ¶É \$SSOLHG 9ROWDJH 5DWHG 9ROWDJH 'XUDWLRQ K 7HPSHUDWXUH &KDUJH 'LVFKDUJH &XUUHQW P\$ PD[&RQGLWLRQV 5RRP 7HPSHUDWXUH 5H VPDOOHU K & * RU K ; 5 < 9
1%jpÜ 7HUPLQDO 6WUHQJWK	íÿpÜ 7HQVLOH 6WUHQJWK	K46 ä>ø L' b1•%?÷ C 8#>	0 Đ+k i ž b %,"ó K46 i GFF!› ó Ö ÿ Ñ-*8) 1,'ID 7 f 0 Ä)L[WKH FSDDFLWRU ERG\ DSSO\ WKH I HDFK OHDG LQ WKH UDGLDO GLUHFWL XQWLO UHDFKLQJ 1 DQG WKHQ NHHS f VHF /+k i ž K01% ó Ö6 1,°Ñ ,µK46 e(Ú,75# 0,1DµK46 fÖ f5# ,Û-v VY '6!Wp6` à) , \$H C !W> (DFK OHDG ZLUH VKDOO EH VXEMHFWHG 1 DQG WKHQ EH EHQW D DQJOH RI UHWXUQH G WRQLQLVLDVSSRVDWLRQ LV C RYHU D SHULRG RI VHF 7KHQ VHFRRG RSSRVLWH GLUHFWLRQ VKDOO EH PDGH

@ v/p = ü—, @ H , AÆ\$ _ÜÆ a , -./ \$µÜÆ a , "JÁÆ a N3D
 1RWH RQ VWDQGDWV G QFRUJGL WR RGLR KRH HLLCH MKURKHOG VEH GHILQHG DV IROORZ
 WR RI WHPSHUDWXUH HODWRYH KXQGLWSP RINDWPLFVSKHUVXUH
 9#*B5 Ó? ;Aä , (>÷BPÂ+^=ü]"J—, pÆ\$ _ÜÆ f , -./ \$µÜÆ a , "JÁÆ a N3D
 :KHQ WKHUH DUH TXHVWLRQV FRQFHUQH QJWPH SVXRYHLSHQFRUWHVQDWLRQ Q GRWV
 FRQGXFWHG XQGHU D FRQGLWLRQ RI GGRJWHPSBODWXPV WKQRXJKD RI
 DQG WR N3D RI DWPRVSKHULF SUHVXUH

