-67) ' $ 75,$& 5HY $

^ Z/Wd/KEW

7KH -67) ' WULDF LV VXLWDEOH IRU JHQHUDO SXUSRVH
$& VZLWFKLQJ ,W FDQ EH XVHG DV DQ 21 2)) IXQFWLRQ
LQ DSSOLFDWLRQV VXFK DV GDWD FRQYHUWHUV LQGXFWLRQ
PRWRU VWDUWLQJ SKDVH FRQWURO LQ
OLJKW GLPPHUV FRQWURO VSHHG %\ XVLQJ DQ
H[WHUQDO SODVWLF SDFNDJH \RX GHV D UDWHG
LQVXODWLRQ YROWDJH RI ZLWK 8/
VWDQGDUGV)LOH UHI (3DFNDJH 72) LV
5R+6 FRPSOLDQW

D /E & dhZ ^

^K>hd D y/DhD Z d/E'^

3DUDPHWHU	6\PERO	9DOXH	8QLV
6WRUDJH MXQFWLRQ WHPSHUDWXUH UDQJH	VWJ	7	

2SHUDWLQJ MXQFWLRQ WHPSHUDWXUH UDQJH M 7

3HDN SXOVH YROWDJH QRQ UHSHWLWLYH RII VWDWH	9SS),*		

> dZ/ > , Z d Z/^d/X^QOHVV RWKHUZLVH VSHFLILHG

6\PERO	7HVW &RQGLWLRQ		4XDGUDQW		9DOXH
,*7	9' 9 5		0$;	P$	
9*7		$//	0$;	9	
9*'	9' 9'50 7M 5/ N	$//	0,1		9
,/	,* *;7		0$;	P$	
,+	,7 P$		0$;	P$	
G9 GW' 99 *DWH 2SHQ 7			0,1	9 V	
G9 GW F G, GW F $ PV 7			,1	0	
WQ	,* P$ $, P$ 5, P$ 7M		7<3	V	
WII					

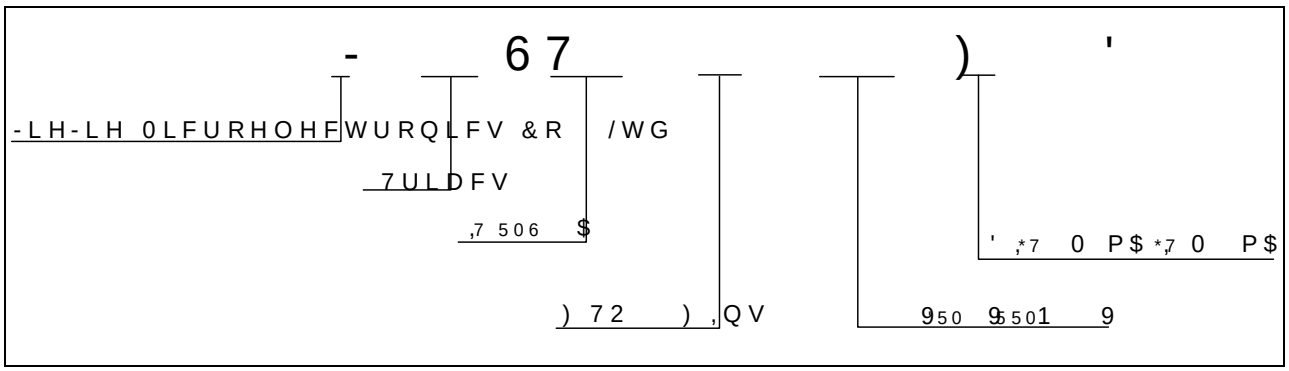
^d d/ , Z d Z/^d/ ^

6\PERO	3DUDPHWHU		9DOXH 0$;	8QLW
970	70 $ W V	7M		
972	7KUHVKROG YROWDJH 7	M		
5'	'\QDPLF UHVLVWDQFH 7	M		
,'50	9' 9'50 9 9550	7M		
,550		7M		

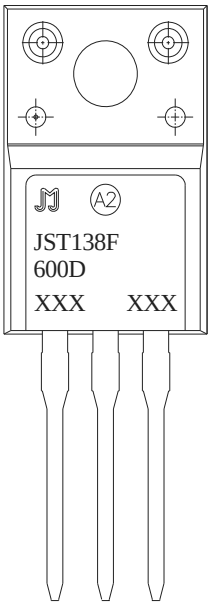
d, ZD > Z ^/^d E ^

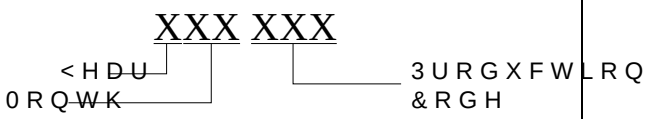
6\PERO	3DUDPHWHU	9DOXH	8QLW
5WK M F	MXQFWLRQ WR FDVH $&		:
5WK M D	MXQFWLRQ WR DPELHQW $&		:

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

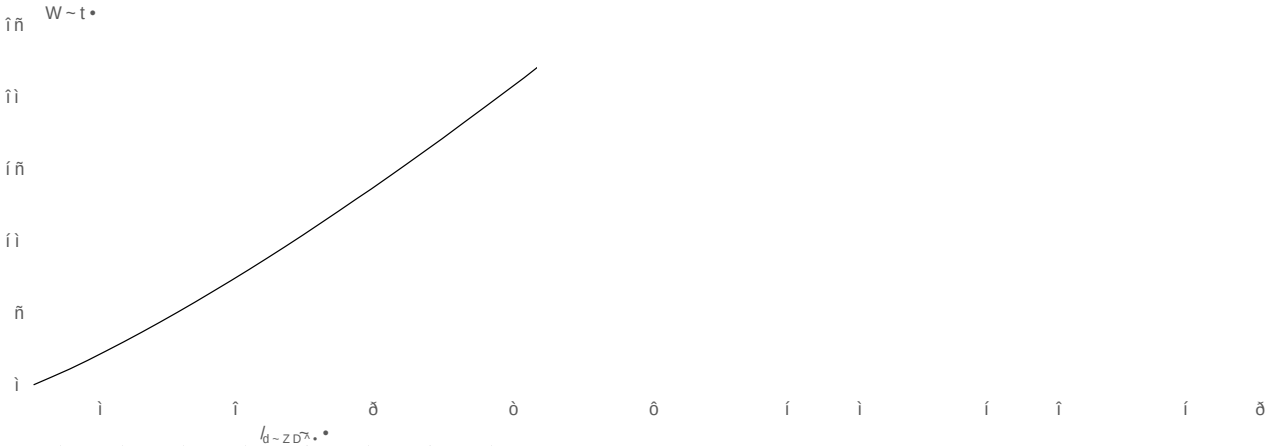


D Z</E'





),* 0D[LPXP SRZHU GLVVLSDWLRQ Y)H*UV5X0/6 5RG VWDWH FXUUHQW YH
RQ VWDWH FXUUHQW WHPSHUDWXUH



),* 6XUJH SHDN RQ VWDWH FXUUHQW YHUVXV
QXPEHU RI F\FOHV

),* Ö7HVW FLUFXLW IRU LQGXFWLYH DQG VWDWLF GLVFKDUJH OR

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

2UGHU FR	9ROWD 9 50 9	,*7 P$		3DFNDJ	%DV TW\ SFV	'HOLYHU\ PRGH
-67) '				72) ,QV		7XEH

'RFXPHQW 5HYLVLRQ +LVWRU\

'DWH	5HYLVLRQ	&KDQJHV
$SU	$	/DVW XSGDWHG
2FW	$	5HYLVHG.$*(0(&+$1,&$/ '$7$

,QIRUPDWLRQ IXUQLVKHG WR WKH OLHUDU\ DQG LQ WKH OLHUDWXUH GR EH DFFXUDWH
-LDQJVX -LH-LH 0LFURHOHFWURQLFV &R\ I/RUGWDKVHXFRKQWHQTX
XVH ZLWKRXW FRQVHQW GLUHFWO\ RU LQGLUHFWO\ QRU XVH EH\RQG LW ,
WKLV GRFXPHQWKDVQ\HZLWKRXWFRQVLGHUDWLRQ DUHSUHVHQWDWLRQ
VLJQHG -LDQJVX-LHLHVLZHLWKWKH DJUHHPHQW
3URGXFWV DQG LQIRUPDWWKLRQ GSRUFXPHQWG KDYH QR LQIULQJ
-LDQJVX -LH-LH DVVXPEHVOQWR\UHVSRQVLRQVLQKHQJUHPHQWV RI WK
SDUWLHV ZKLFK PD\ UHVXOWIURPWVXFKPSUHSDUDWLRQ DQG7KLVQGRFXPH
VXSHUVHGHV DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXV
LV D UHJLVWHUHGDQJUXG-HLHD UHN RLF-UR H/WHGWURQLFV &
&RS\ULJKW ‹ -LDQLJVUR-HLHH EWURQUE\K&RV U/HWWGHU$YHG