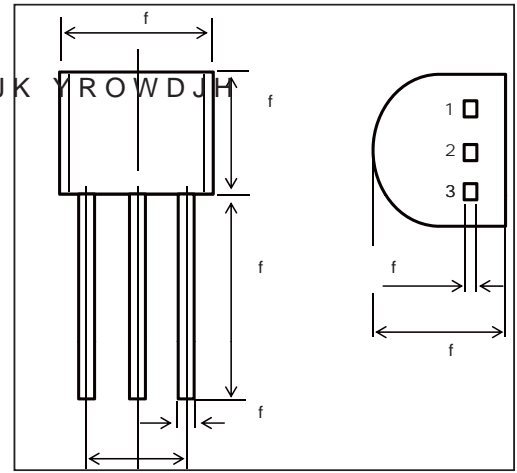


72 3ODVWLF (QFDSVXODWH 7UDQVLV

)(\$785(6
 "6ZLWFKLQJ DQG DPSOLILFDWLRQ LQ KLJK YROWDJH
 "\$SSOLFDWLRQV VXFK DV WHOHSCRQ\
 "/RZ FXUUHQW
 "+LJK YROWDJH
 "131 7UDQVLVWRUV
 0 (& + \$1, & \$'/\$7 \$
 "& DVH VW\OPROGHG SODVWLF
 "ORXQWLQJ SRVLWLRQ DQ\
 0 \$; , 0805 \$ 7 , 1 * \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6
 # f & \$ PELHQW 7HPSHUDWXUH XQOHVV RWKHU ZLVH QRWHG



0 \$; , 0805 \$ 7 , 1 * \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6
 # f & \$ PELHQW 7HPSHUDWXUH XQOHVV RWKHU ZLVH QRWHG

3DUDPHWHU	6 \ PERO	9DOXH	8QLWV
&ROOHFWRU %DVH 9ROWDJH	9 & % 2		9
&ROOHFWRU (PLWWHU 9ROWDJH	9 & (2		9
(PLWWHU %DVH 9ROWDJH	9 (% 2		9
&ROOHFWRU &XUUHQW &RQWLQXRXV	&		P \$
7RWDO 'HYLFH 'LVVLSDWLRQ	3.		P :
-XQFWLRQ 7HPSHUDWXUH	7.		/
-XQFWLRQ DQG 6WRUDJH 7HPSHUDWXUH 7 _{VWJ}			/

*These ratings are limiting values above which the serviceability of any semiconductor device may be reduced

3DUDPHWHU	6 \ PERO	7HVW & RQGLWLRQV	0D[0L&QLW
Collector-base breakdown voltage	V(BR) _{CBO}	$I_E = 0$	V
Collector-emitter breakdown voltage	V(BR) _{CEO}	$I_B = 0$	V
Emitter-base breakdown voltage	V(BR) _{EBO}	$I_E = 0$	V
Collector cut-off current	I _{CBO}	$V_{CE} = -60V, I_E = 0$	-0.1 uA
Emitter cut-off current	I _{EBO}	$V_{BE} = -5V, I_C = 0$	-0.1 uA
DC current gain	h _{FE}	$V_{CE} = -6V, I_C = -1mA$	90 200 600
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = -100mA, I_B = -10mA$	-0.18 -0.3 V
Base-emitter voltage	V _{BE}	$V_{CE} = -6V, I_C = -1.0mA$	-0.58 -0.62 -0.68 V
Transition frequency	f _T	$V_{CE} = -6V, I_C = -10mA$	100 180 MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_C = 0, f = 1MHz$	4.5 6 pF
Noise figure	NF	$V_{CE} = -6V, I_C = -0.3mA, R_g = 10k\Omega, f = 100Hz$	6 20 dB

F5H-B; '5B8' 7<5F57H9F=GH7' 7I FJ9G

