

8AAH'-\$ (E'



8AAH' -\$(E'

AUI]a i a 'FUh]b [g' (Ta=25 Unless otherwise specified

hY a'	Gma Vc''	I b]h'	JU' iY'
Collector-Base Voltage	V_{CBO}	V	60
Collector-Emitter Voltage	V_{CEO}	V	40
Emitter-Base Voltage	V_{EBO}	V	5
Collector Current	I_C	mA	200
Power Dissipation (*)	P_D	mW	200
Junction Temperature	T_j		-55 to +150
Storage Temperature	T_{stg}		-55 to +150

(*) Device mounted on FR-4 PCB 1.0 x 1.0 x 0.06 inch

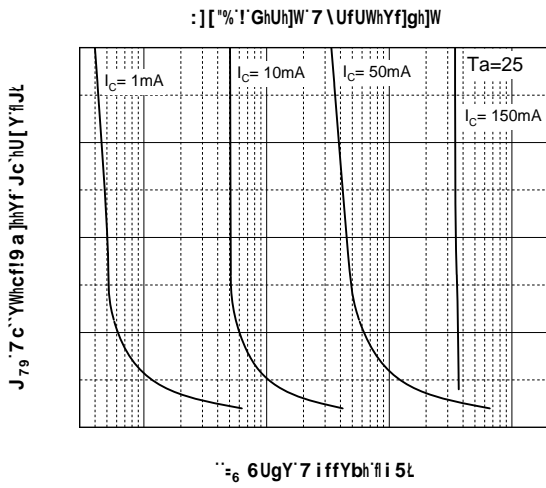
9'YWhf]WU'' 7 \UfUWhYf]gh]Wg (Ta=25 unless otherwise specified)

hY a'	Gma Vc''	I b]h'	7cbX]h]cbg'	A]b'	HMD'	AUI'
Collector-base breakdown voltage	V_{CBO}	V	$I_C=10\mu A, I_E=0$	60	-	-
Collector-emitter breakdown voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	40	-	-
Emitter-base breakdown voltage	V_{EBO}	V	$I_E=10\mu A, I_C=0$	5	-	-
Base Cutoff Current	I_{BL}	nA	$V_{CE}=30V, V_{EB(OFF)}=3V$	-	-	50
Collector Cutoff Current	I_{CEX}	nA	$V_{CE}=30V, V_{EB(OFF)}=3V$	-	-	50
DC current gain	h_{FE1}		$V_{CE}=1V, I_C=0.1mA$	40	-	-
	h_{FE2}		$V_{CE}=1V, I_C=1mA$	70	-	-
	h_{FE3}		$V_{CE}=1V, I_C=10mA$	100	-	300
	h_{FE4CE}		$V_{CE}=1V, I_C=$	-	-	a



8AAH' -\$(E'

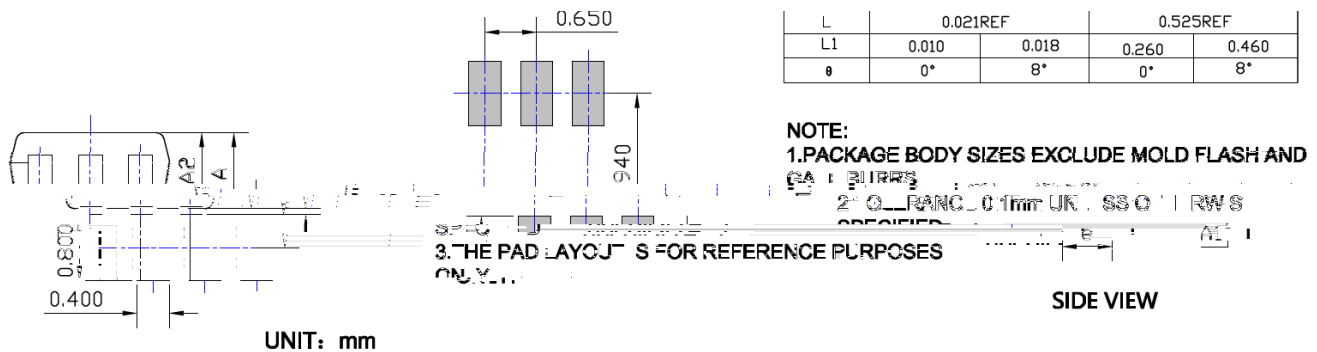
7 \UfUWhYf]gh]Wg (Typical)





8AAH' -\$(E'

GCH!' * ' 'DUW_U[Y'C i h`]bY'8]a Ybg]cbg' / 'Gi [[YghYX'DUX'@Umc i h'



SUGGESTED SOLDER PAD LAYOUT



8AAH' -\$(E'

8]gW'U]a Yf'

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with automotive electronics are not designed for use in medical, life-saving, lifesustaining, or military, Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.