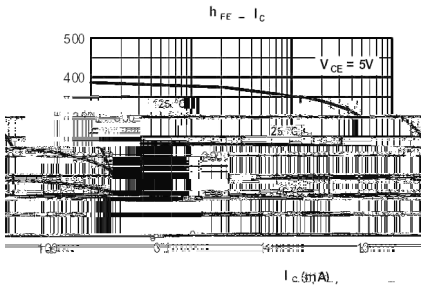
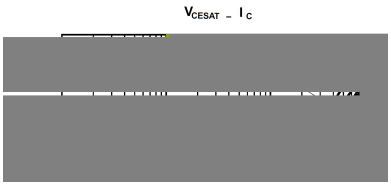
Rev.F Aug.-2022

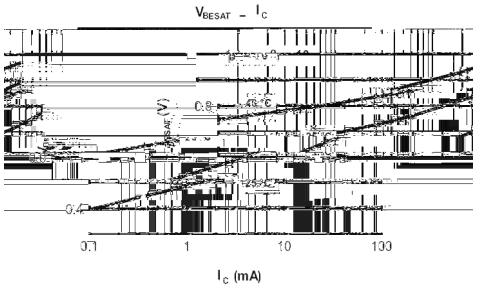
& > ? ; < =

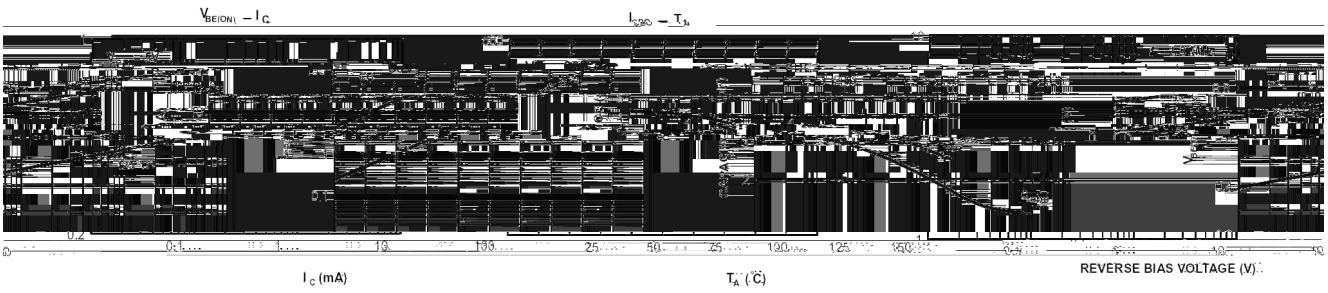
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Base to Emitter Saturation Voltage	$V_{BE(sat)\ (1)}$	I_C=10mA I_B=1.0mA	0.65		0.85	V
	$V_{BE(sat)\ (2)}$	I_C=50mA I_B=5.0mA			0.95	V
Transition Frequency	f_T	I_C=10mA V_{CE}=20V f=100MHz	300			MHz
Collector output capacitance	C_{ob}	V_{CB}=5.0V f=1.0MHz			4.0	pF
Storage Time	t_{stg}	V_{CC}=3.0V I_C=10mA I_{B1}=-I_{B2}=1.0mA			200	ns
Fall Time	t_f	V_{CC}=3.0V I_C=10mA I_{B1}=-I_{B2}=1.0mA			50	ns
Delay Time	t_d	V_{CC}=3.0V V_{BE}=0.5V I_C=10mA I_{B1}=1.0mA			35	ns
Rise Time	t_r	V_{CC}=3.0V V_{BE}=0.5V I_C=10mA I_{B1}=1.0mA			35	ns
Input Capacitance	C_{ib}	V_{EB}=0.5V f=1.0MHz			8.0	pF

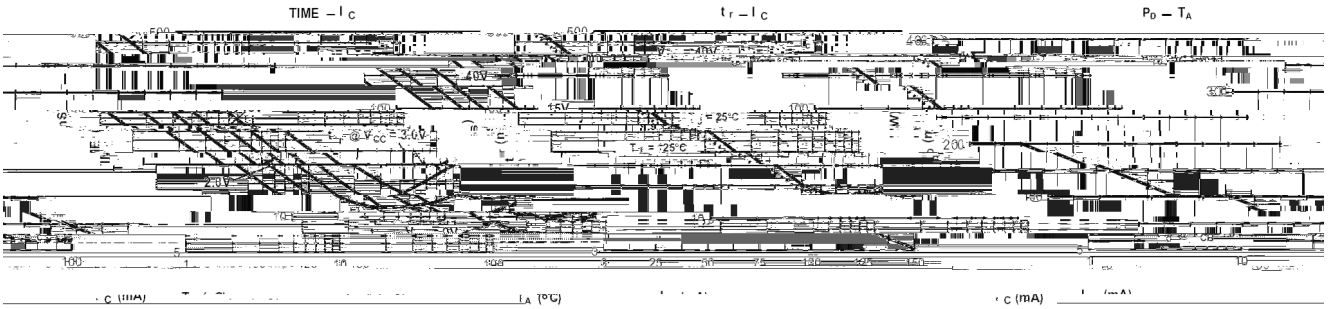
& ; <@A B


h FE – I C
500
400
V CE = 5V
25 °C
25 °C
I C (mA)

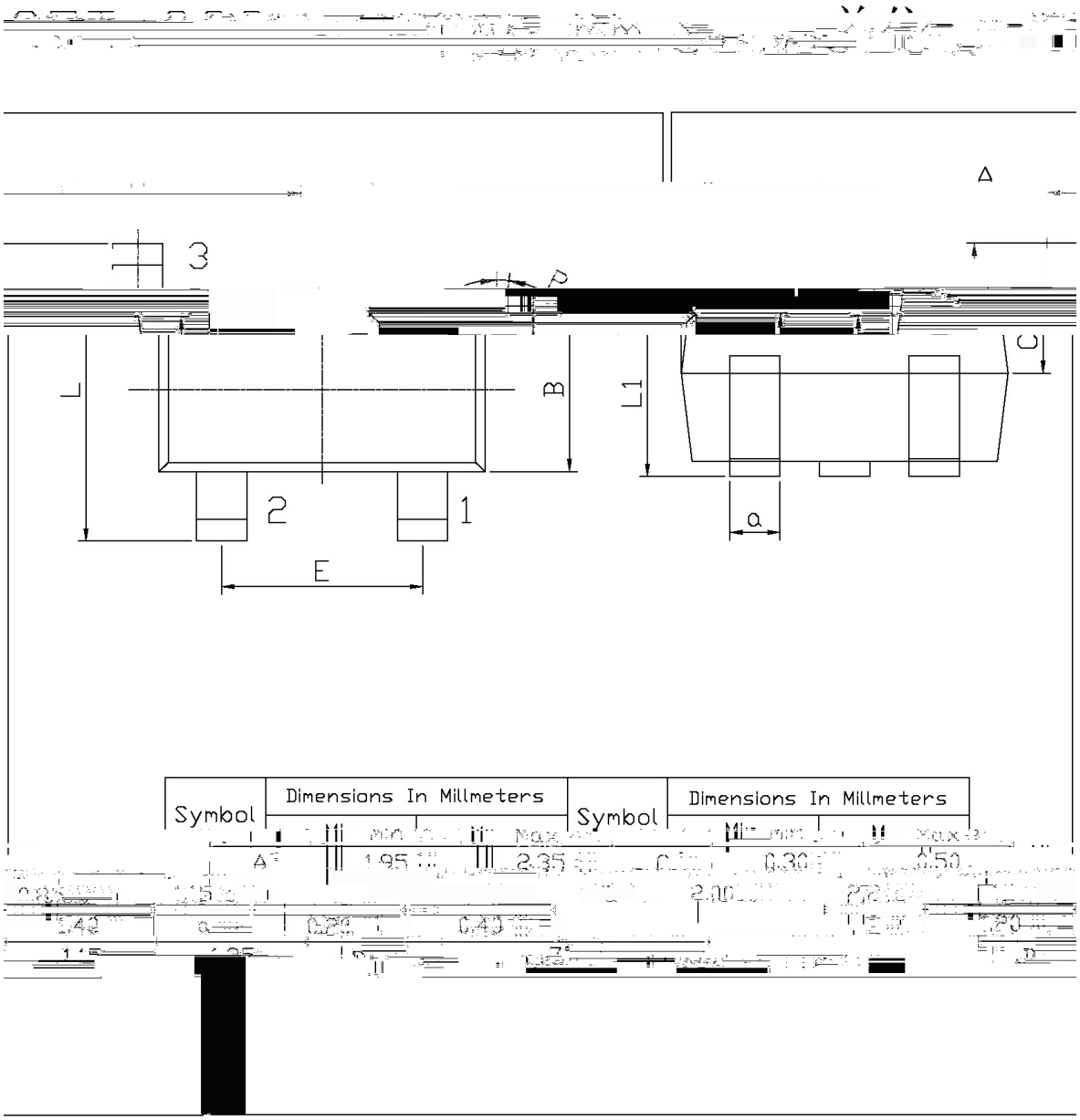

V CESAT – I C


V BESAT – I C
0.8
0.4
0.1
1
10
100
I C (mA)

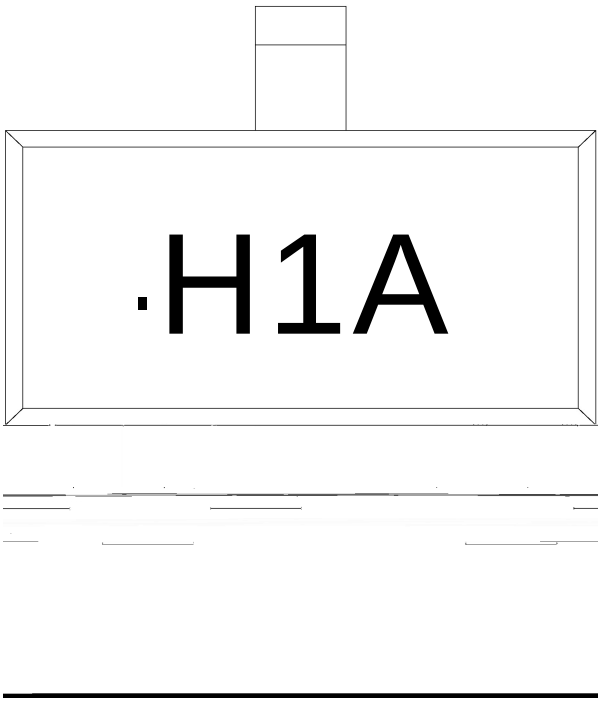

V BE(ON) – I C
I C (mA)
T A (°C)
REVERSE BIAS VOLTAGE (V)


TIME – I C
t r – I C
P D – T A
40V
15V
20V
T A = 25°C
T A = 75°C
I C (mA)
T A (°C)
I C (mA)

C D E F B


A
3
L
B
L1
C
2
1
E
a
Symbol
Dimensions In Millmeters
Symbol
Dimensions In Millmeters
Min
Max
A
1.95
2.35
C
0.30
0.50

+ , G H



.

H

1A

Note:

·	Identify
H:	Company Code
1A:	Product Type