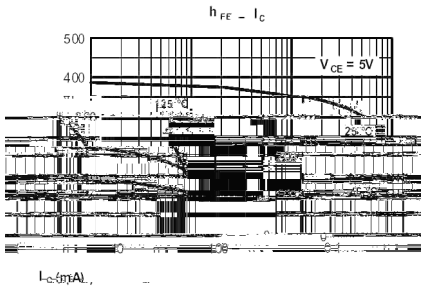
MMBT3904W

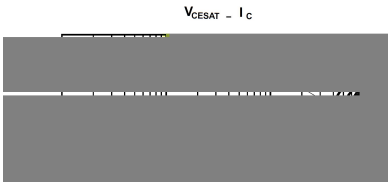
Rev.F Aug.-2022

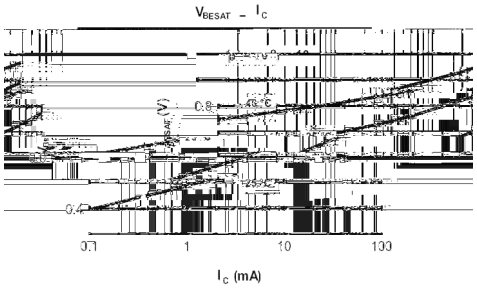
& > ? ; < / Electrical Characteristics(Ta=25 =)

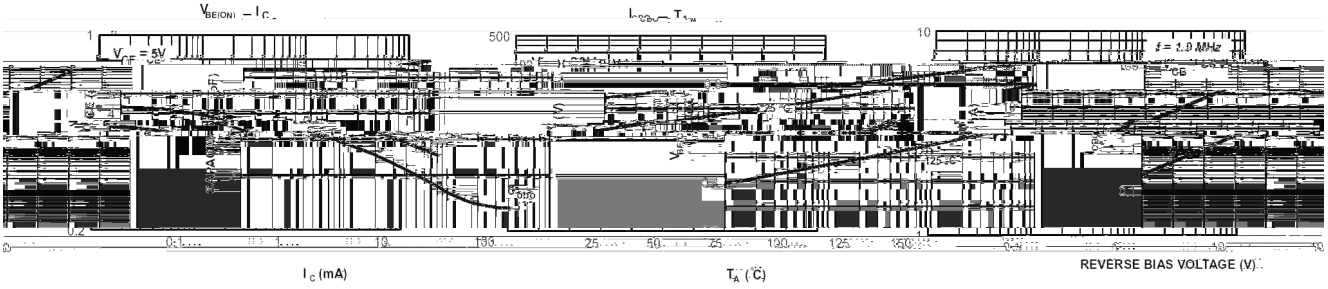
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Base to Emitter Saturation Voltage	$V_{BE(sat)\ (1)}$	I_C=10mA I_B=1.0mA	0.65		0.85	V
	$V_{BE(sat)\ (2)}$	I_C=50mA I_B=5.0mA			0.95	V
Transition Frequency	f_T	I_C=10mA V_{CE}=20V f=100MHz	300			MHz
Collector output capacitance	C_{ob}	V_{CB}=5.0V f=1.0MHz			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

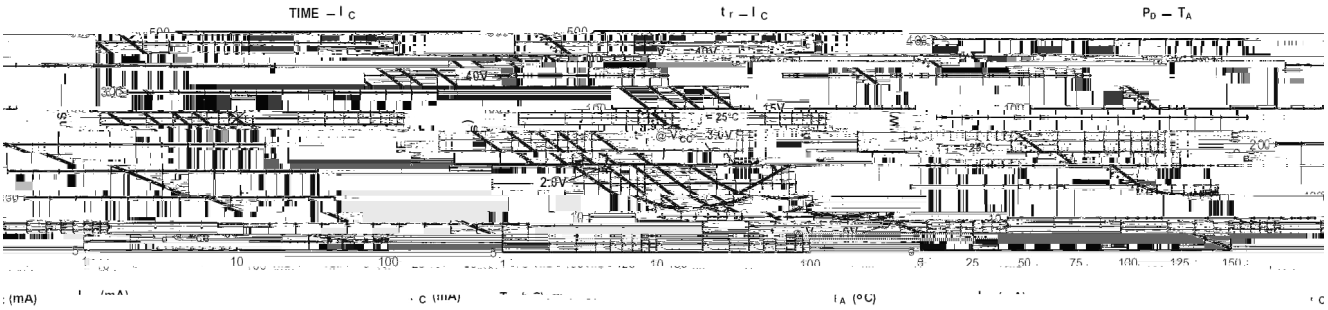
& ; < @ A B / Electrical Characteristic Curve



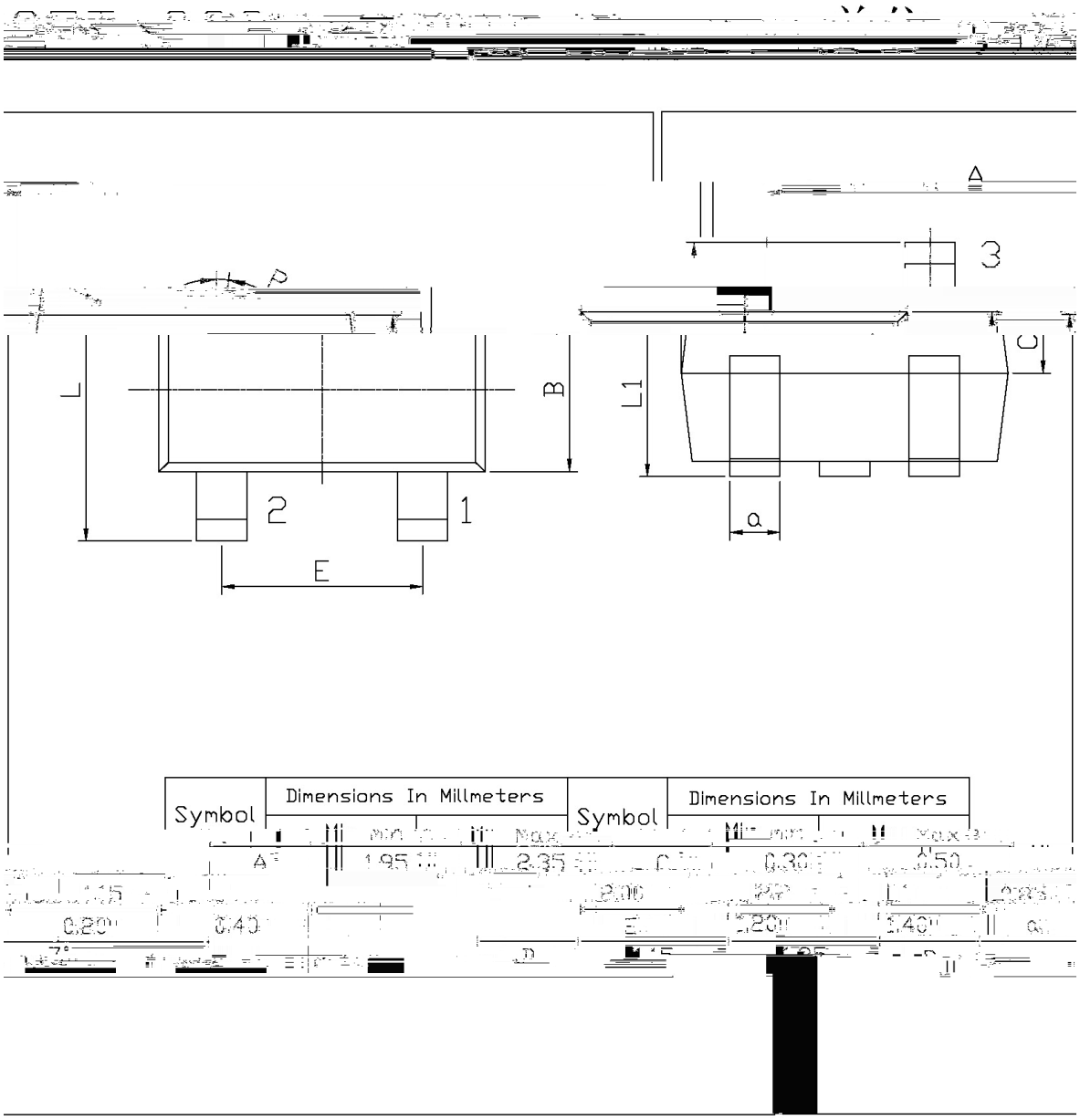




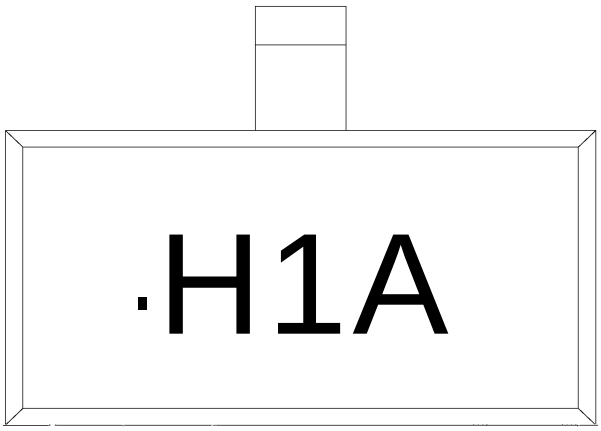




C D E F B / Package Dimensions



+ , G H / Marking Instructions



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1A

Note:

·	Identify
H:	Company Code
1A:	Product Type