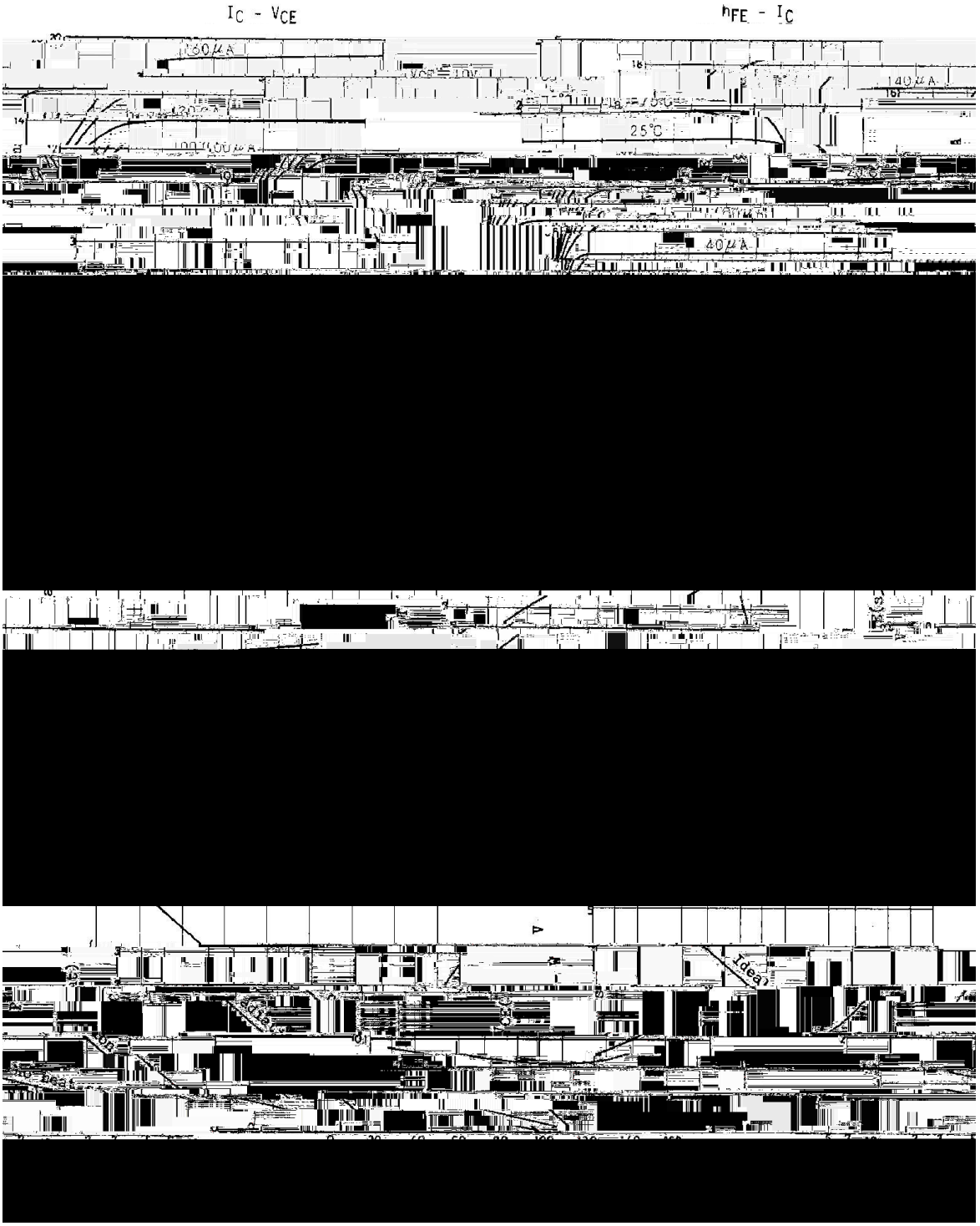
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	200	V
Collector to Emitter Voltage	V_{CEO}	200	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	100	mA
Collector Current – Continuous(Pulse)	I_{CP}	200	mA
Collector Power Dissipation	P_C	1.3	W
Collector Power Dissipation	$P_C(T_C=25$)	5.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

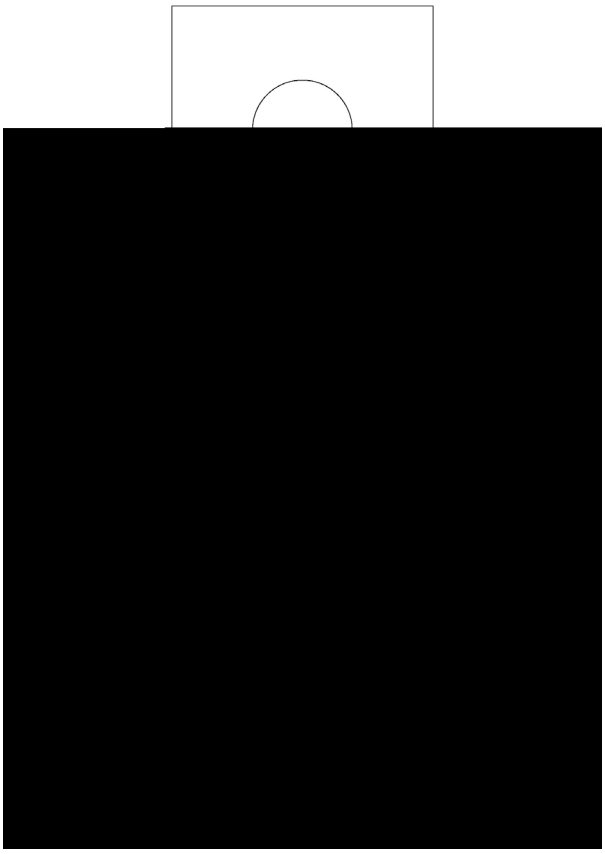
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=10μA I_E=0	200			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA I_B=0	200			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=10μA I_C=0	5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=150V I_E=0			0.1	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=4.0V I_C=0			0.1	μA
DC Current Gain	h_{FE}	V_{CE}=10V I_C=10mA	40		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=20mA I_B=2.0mA			0.6	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	I_C=20mA I_B=2.0mA			1.0	V
Transition Frequency	f_T	V_{CE}=30V I_C=10mA		150		MHz
Collector output capacitance	C_{ob}	V_{CB}=30V f=1.0MHz		2.6		pF
Reverse Transfer Capacitance						

/ Electrical Characteristic Curve



2SC3788

/ Marking Instructions



BR

C3788

D h_{FE}

****

Note:

BR:	Company Code
C3788:	Product Type.
D	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.