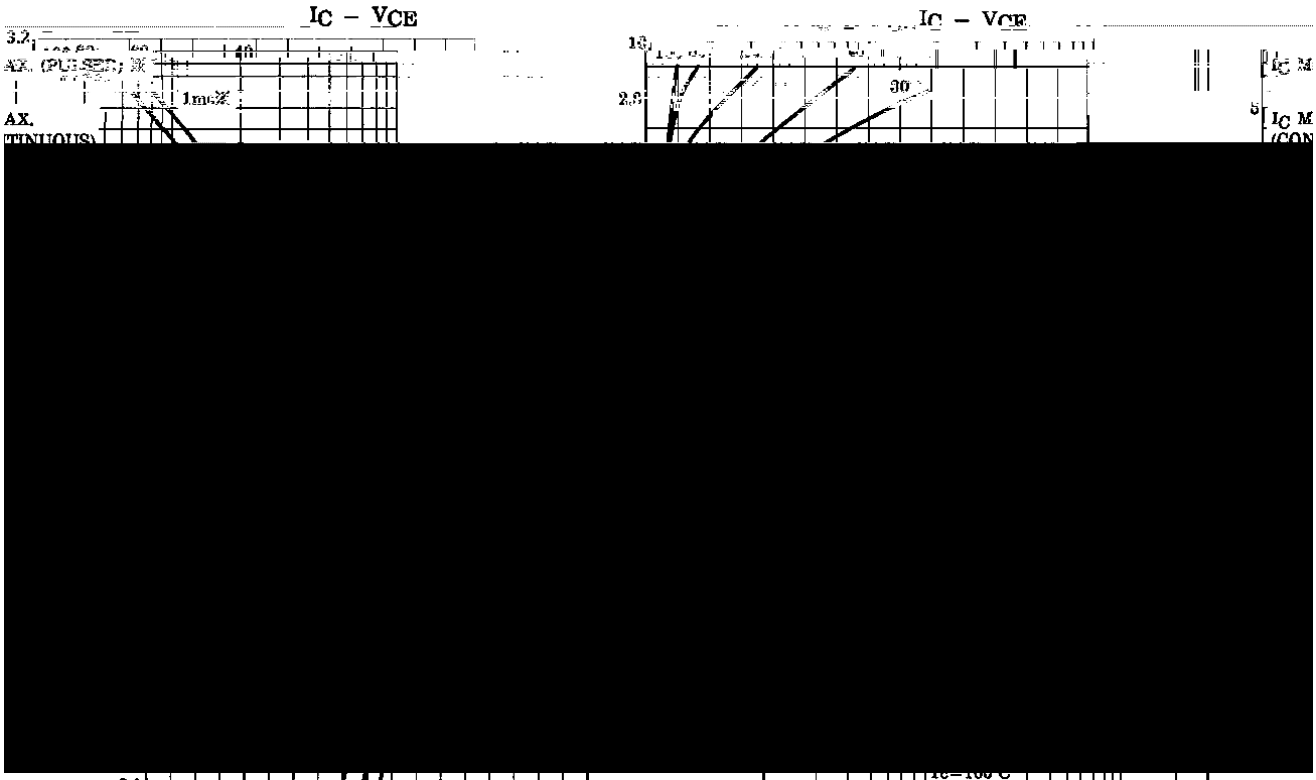
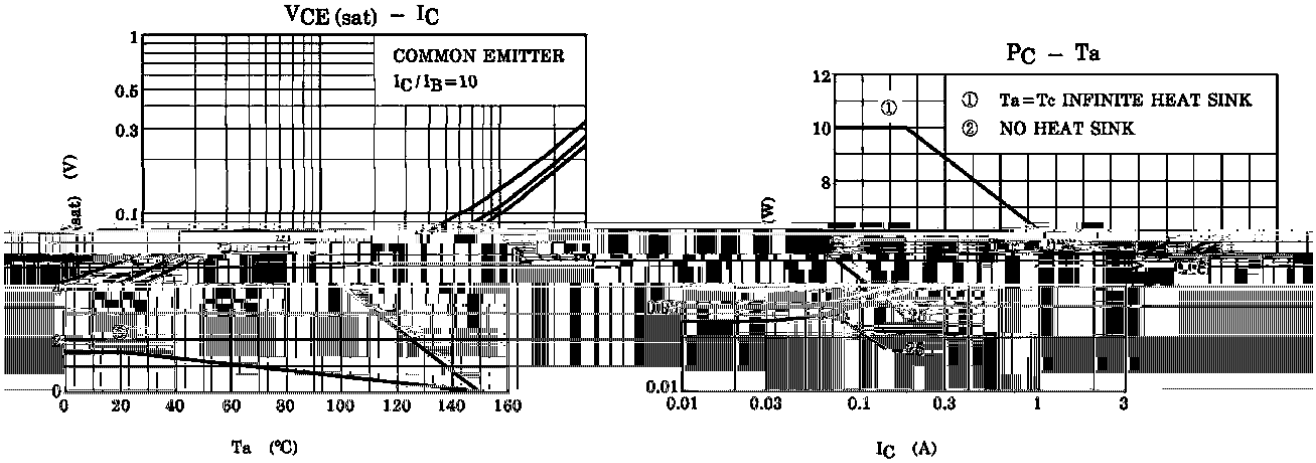
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	40	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	3.0	A
Base Current – Continuous	I_B	1.0	A
Collector Power Dissipation	P_C	1.5	W
Collector Power Dissipation	P_C(Tc=25)	10	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

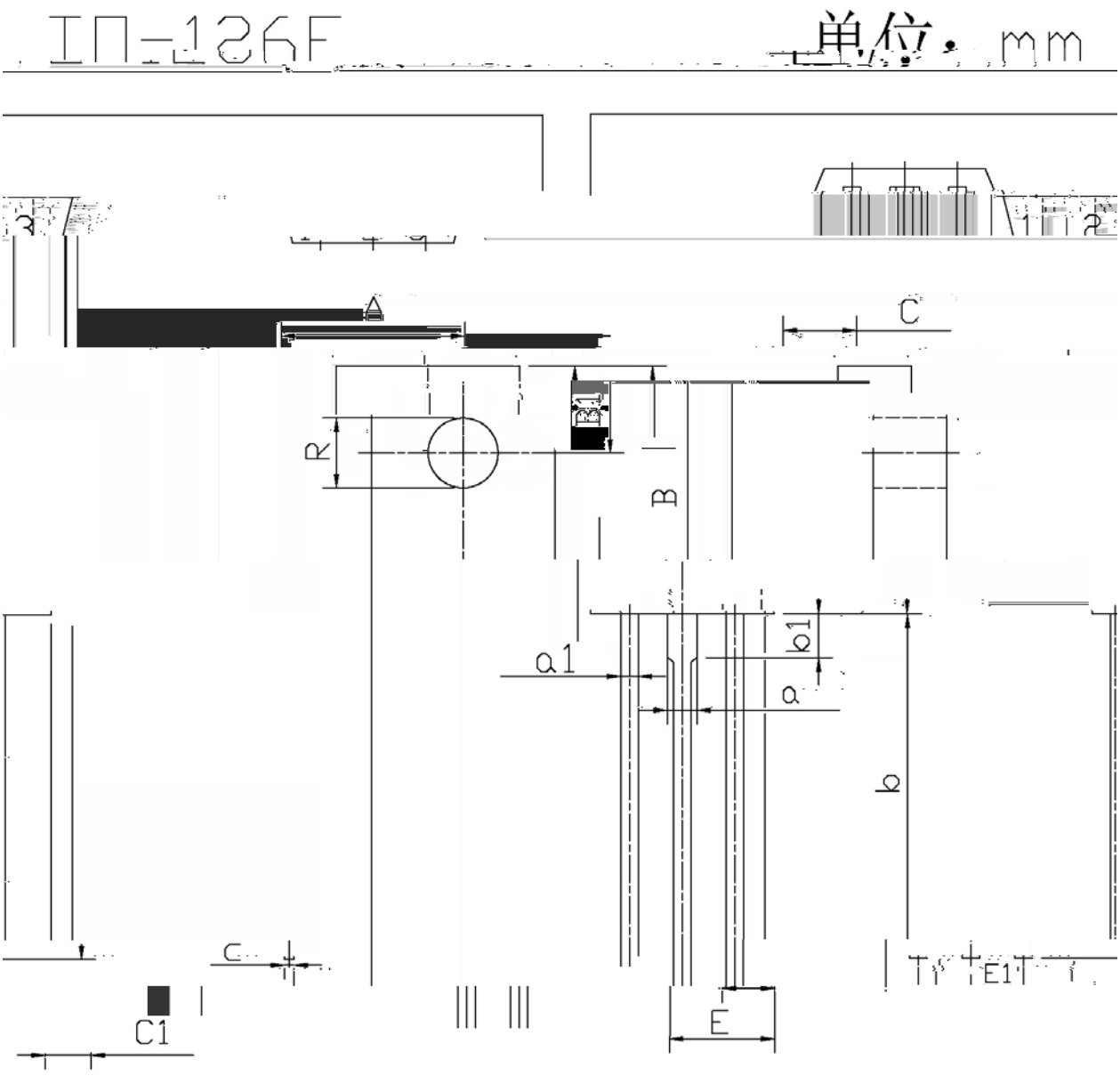
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=10mA I_B=0	40			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=40V I_E=0			0.1	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=5.0V I_C=0			0.1	μA
DC Current Gain	$h_{FE(1)}$	V_{CE}=2.0V I_C=0.5A	80		400	
	$h_{FE(2)}$	V_{CE}=2.0V I_C=2.5A	25			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=2.0A I_B=0.2A			0.8	V
Base to Emitter Voltage	V_{BE}	V_{CE}=2.0V I_C=0.5A			1.0	V
Transition Frequency	f_T	V_{CE}=2.0V I_C=0.5A		100		MHz
Collector output capacitance	C_{ob}	V_{CB}=10V I_E=0 f=1.0MHz		35		pF

/ Electrical Characteristic Curve

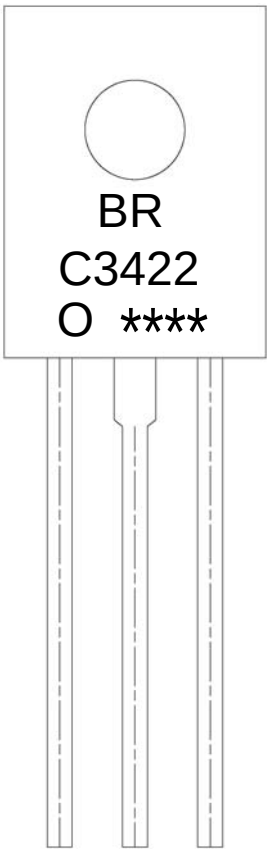




/ Package Dimensions



/ Marking Instructions



BR

C3422

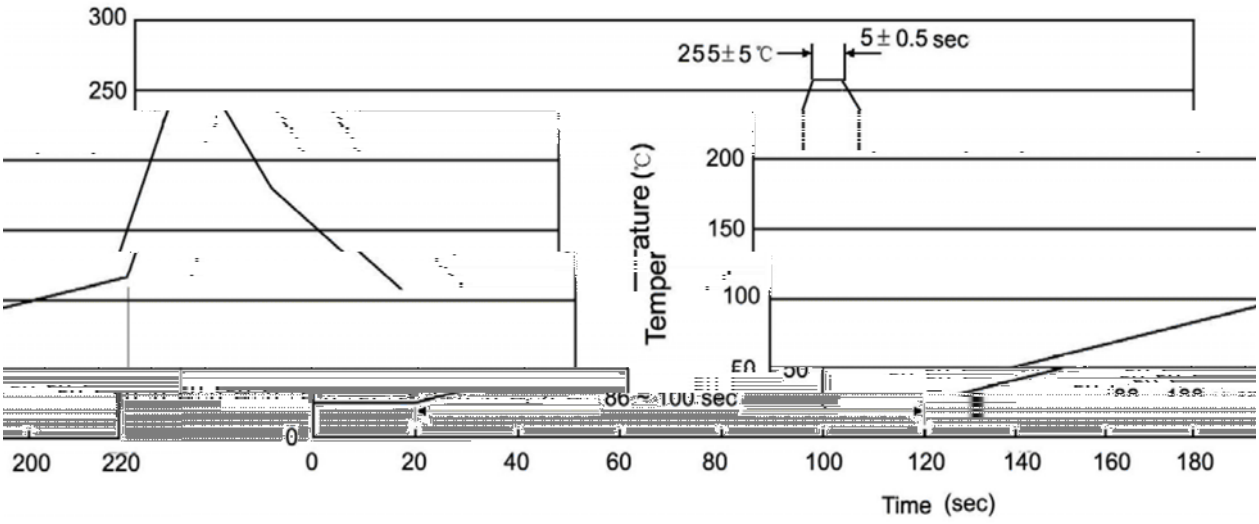
O h_{FE}

****

Note:

BR:	Company Code
C3422:	Product Type.
O:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

1 25 150 60