TO-92LM PNP Silicon PNP transistor in a TO-92LM Plastic Package.

High V_{CBO}, low $V_{CE(sat)}$,high speed switching.

,

DC-DC converter, low power switching regulator, high voltage application.

/ Absolute Maximum Ratings(Ta=25)

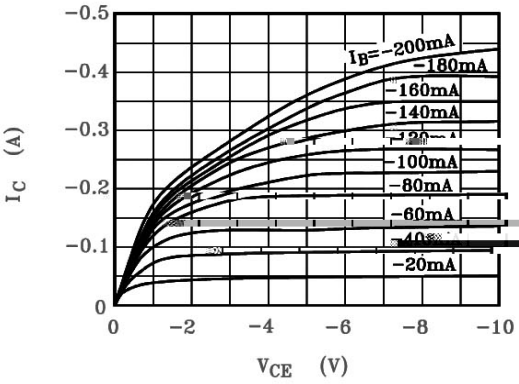
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-400	V
Collector to Emitter Voltage	V_{CEO}	-400	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current - Continuous	I_C	-500	mA
Collector Power Dissipation	P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

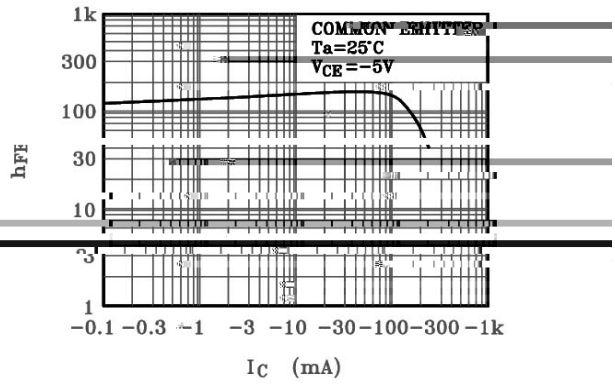
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-400			V
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100μA I_E=0	-400			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100μA I_C=0	-7.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-400V I_E=0			-10	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-5.0V I_C=0			-10	μA
DC Current Gain	h_{FE}	V_{CE}=-5.0V I_C=-100mA	60		200	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-100mA I_B=-10mA			-1.0	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	I_C=-100mA I_B=-10mA			-1.2	V
Turn-On Time	t_{on}	I_C=-100mA R_L=1.5KΩ I_{B1}=-10mA I_{B2}=20mA V_{CC}=-150V			1.0	μs
Storage Time	t_{stg}				4.0	
Turn-Off Time	t_{ff}				1.0	

/ Electrical Characteristic Curve

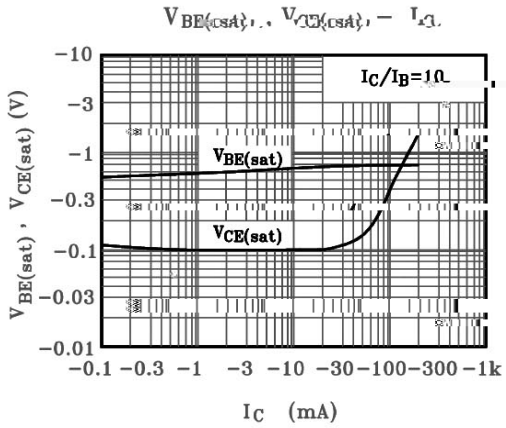
I_C – V_{CE}



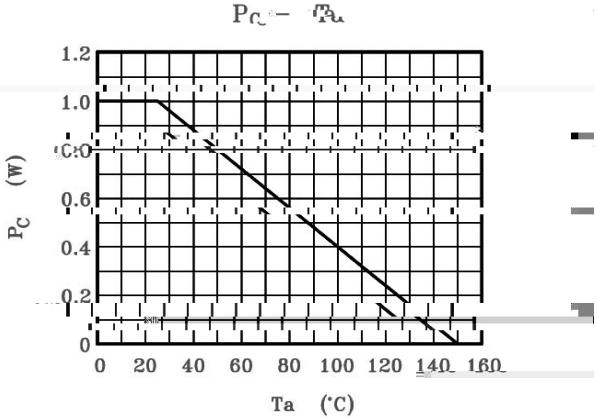
h_{FE} – I_C



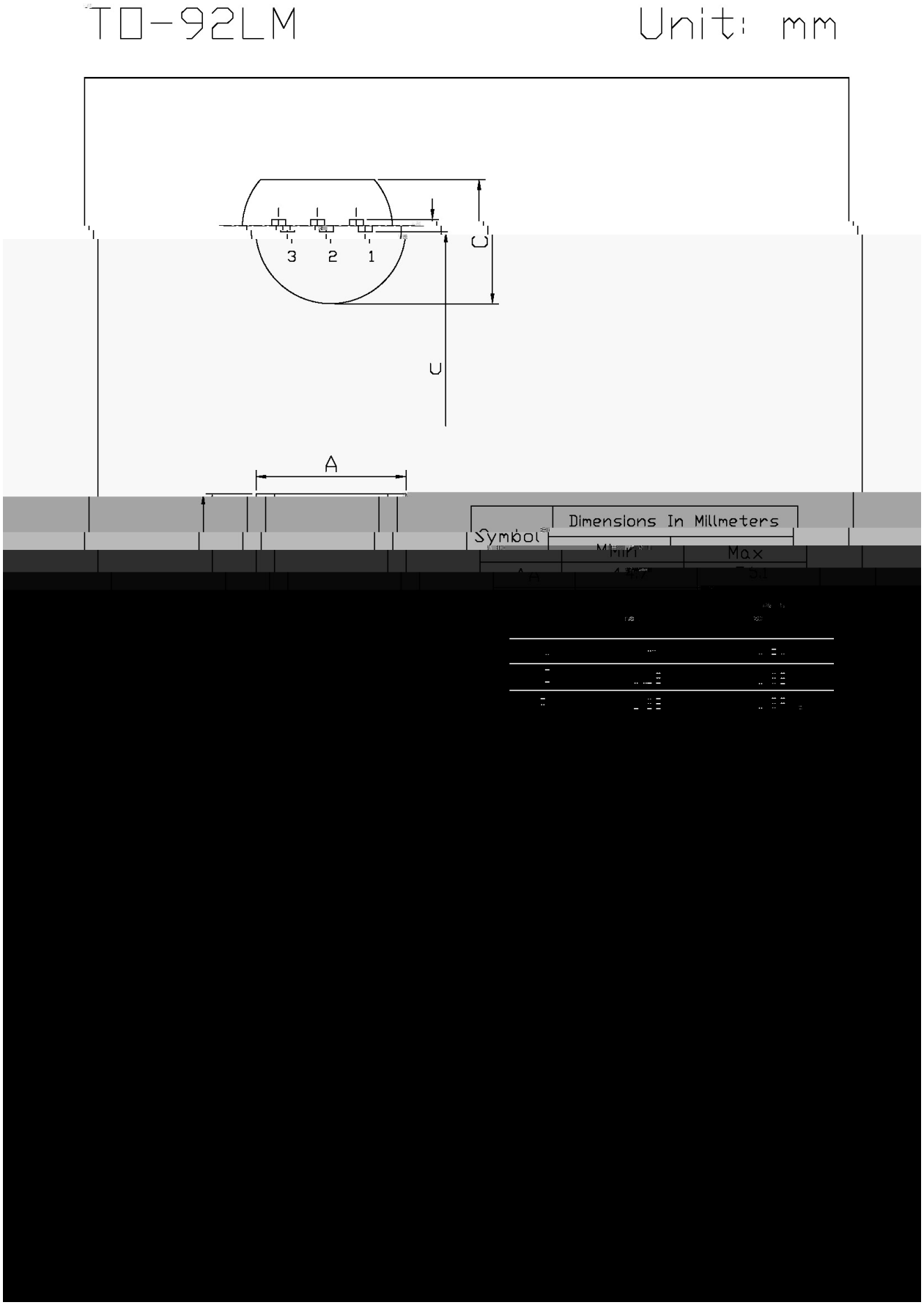
$V_{BE(sat)}$, $V_{CE(sat)}$ – I_C



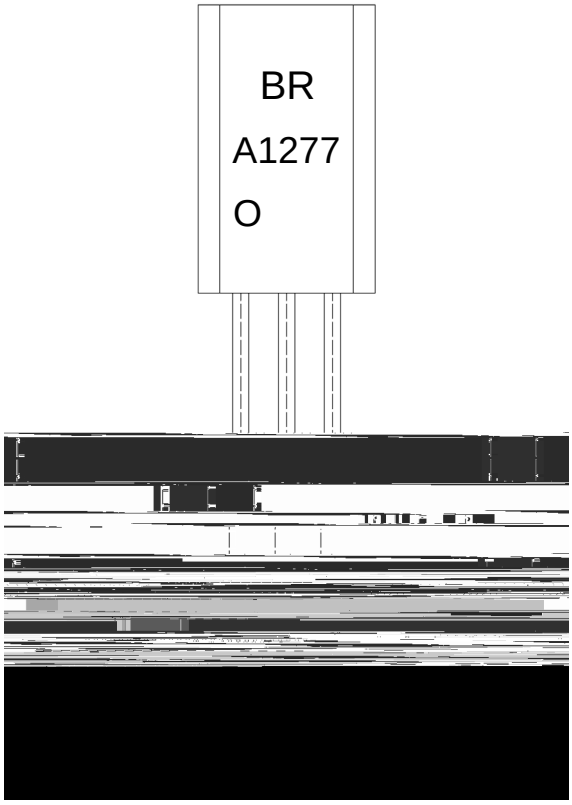
P_C – Ta



/ Package Dimensions



/ Marking Instructions



BR:

A1277

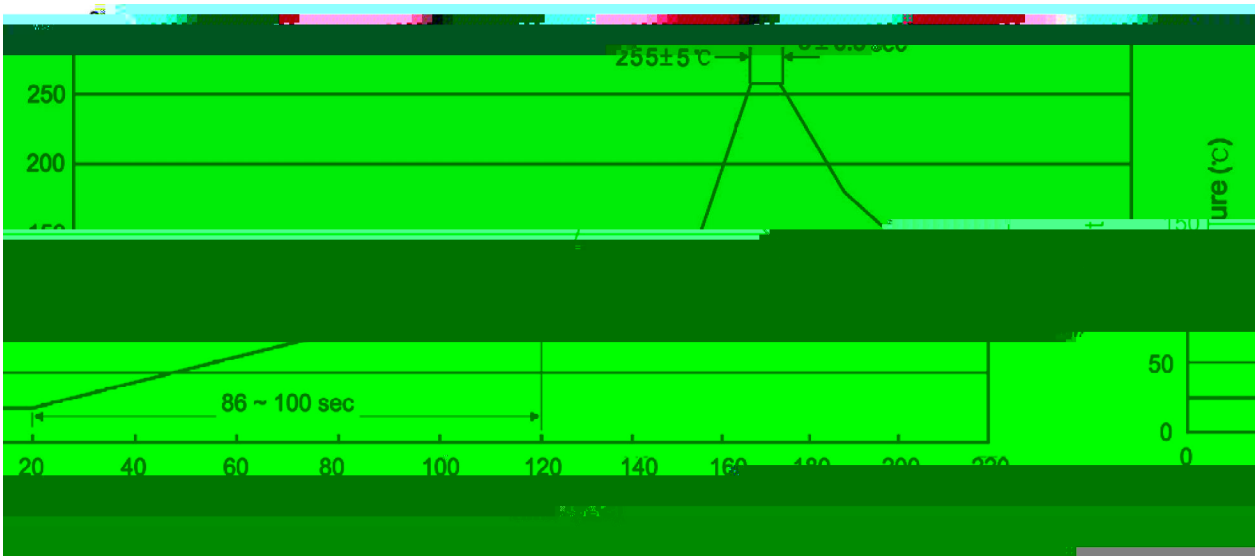
O: h_{FE}

****

Note:

BR:	Company Code.
A1277:	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 90sec;	1.Preheating:25~150 , Time:60~90sec.
2		255±5			5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3				2	10 /sec.	3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension		(unit mm3)

/ AMMO

Package Type	Units					Dimension	(unit mm3)

/ Notices