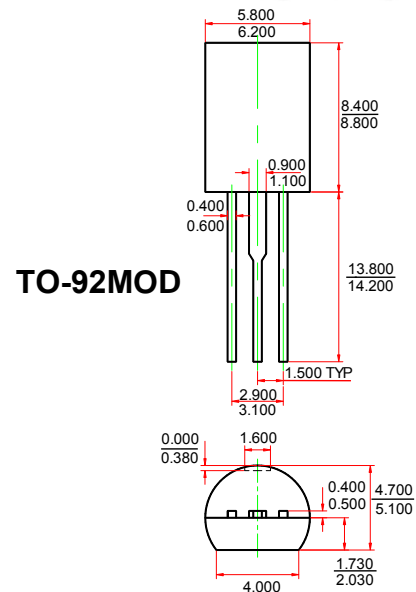




- 1. EMITTER
- 2. COLLECTOR
- 3. BASE



Features

- ◇ Complementary to 2SC1627A.
- ◇ Driver Stage Application of 30 to 35 Watts Amplifiers.

MAXIMUM RATINGS ($T_A=25^\circ\text{C}$ unless otherwise noted)

Dimensions in inches and (millimeters)

Symbol	Parameter	Value	Units
V_{CBO}	Collector-Base Voltage	-80	V
V_{CEO}	Collector-Emitter Voltage	-80	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current -Continuous	-400	mA
P_C	Collector Power Dissipation	800	mW
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature	-55-150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -100 \mu\text{A}$, $I_E = 0$	-80		V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -5 \text{ mA}$, $I_B = 0$	-80		V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -100 \mu\text{A}$, $I_C = 0$	-5		V
Collector cut-off current	I_{CBO}	$V_{CB} = -50 \text{ V}$, $I_E = 0$		-0.1	μA
Collector cut-off current	I_{EBO}	$V_{EB} = -5 \text{ V}$, $I_B = 0$		-0.1	μA
DC current gain	$h_{FE(1)}$	$V_{CE} = -2 \text{ V}$, $I_C = -50 \text{ mA}$	70	240	
	$h_{FE(2)}$	$V_{CE} = -2 \text{ V}$, $I_C = -200 \text{ mA}$	40		
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -200 \text{ mA}$, $I_B = -20 \text{ mA}$		-0.4	V
Base-emitter voltage	V_{BE}	$V_{CE} = -2 \text{ V}$, $I_C = -5 \text{ mA}$	-0.55	-0.8	V
Transition frequency	f_T	$V_{CE} = -10 \text{ V}$, $I_C = -10 \text{ mA}$		100	MHz
Out capacitance	C_{ob}	$V_{CB} = -10 \text{ V}$, $f = 1 \text{ MHz}$		14	pF

CLASSIFICATION OF $h_{FE(1)}$

Rank	O	Y
Range	70-140	120 - 240



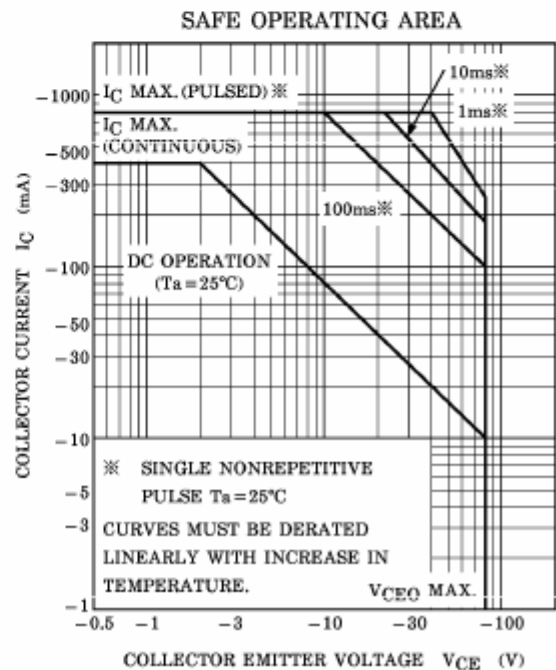
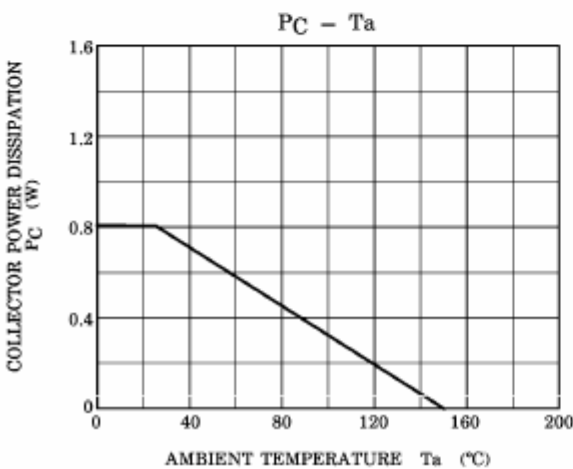
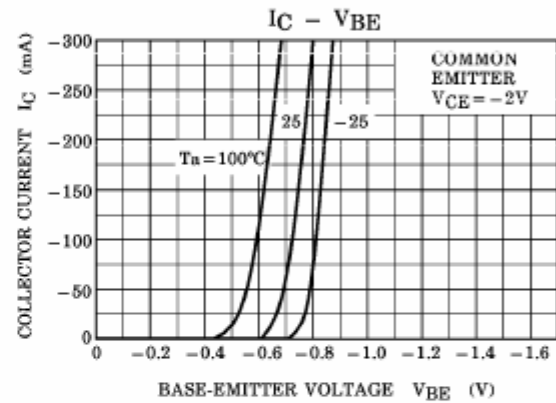
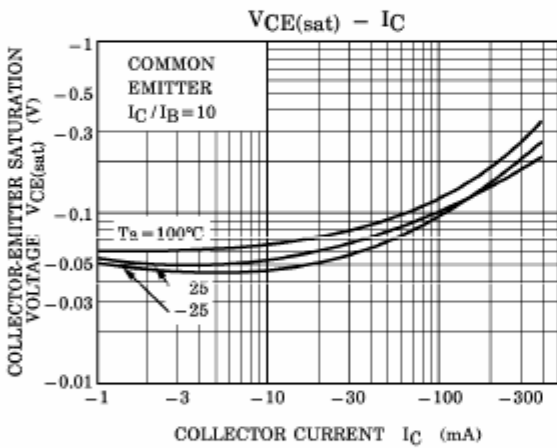
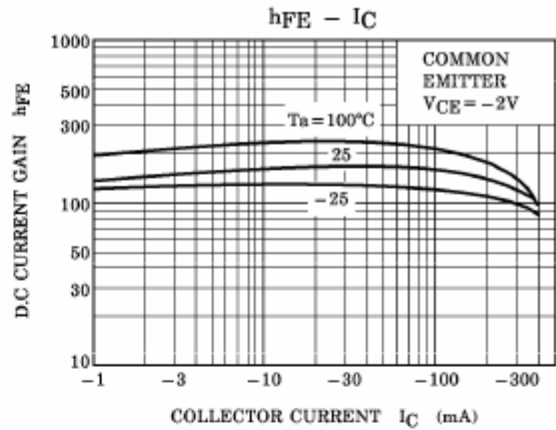
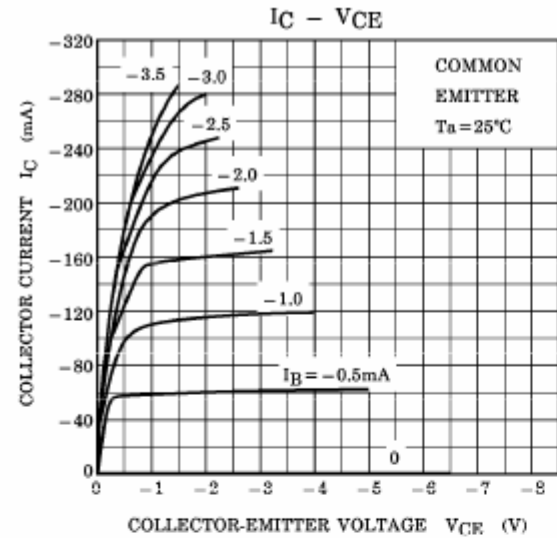
LGE

2SA817A

TO-92MOD Transistor (PNP)



Typical Characteristics



Package	Packing	Quantity	Box	Box Size(mm)	Carton	Carton Size(mm)
TO-92MOD	Bulk	500pcs/BP	5000pcs	245×170×100	50,000pcs	525×375×270
TO-92MOD	Tape	2000pcs/TP	2000pcs	333×245×43	20,000pcs	502×403×300

<http://www.lgesemi.com>