

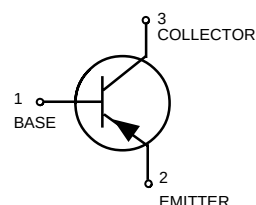
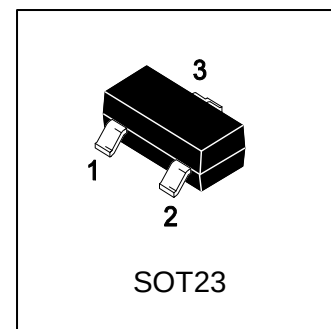
L2SB1197KRLT1G

S-L2SB1197KRLT1G

Low Frequency Transistor PNP Silicon

1. FEATURES

- High current capacity in compact package.
- Epitaxial planar type.
- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.



2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
L2SB1197KRLT1G	AHR	3000/Tape&Reel
L2SB1197KRLT3G	AHR	13000/Tape&Reel

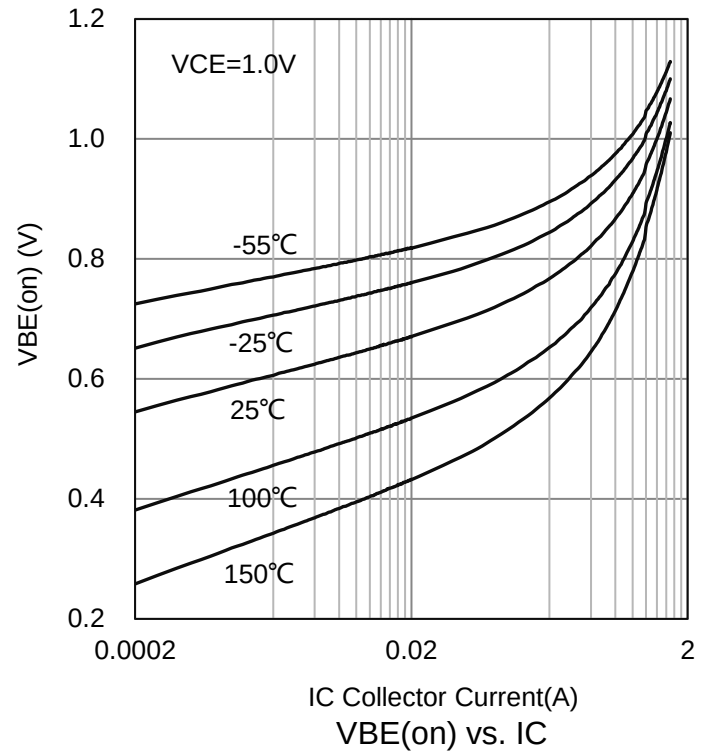
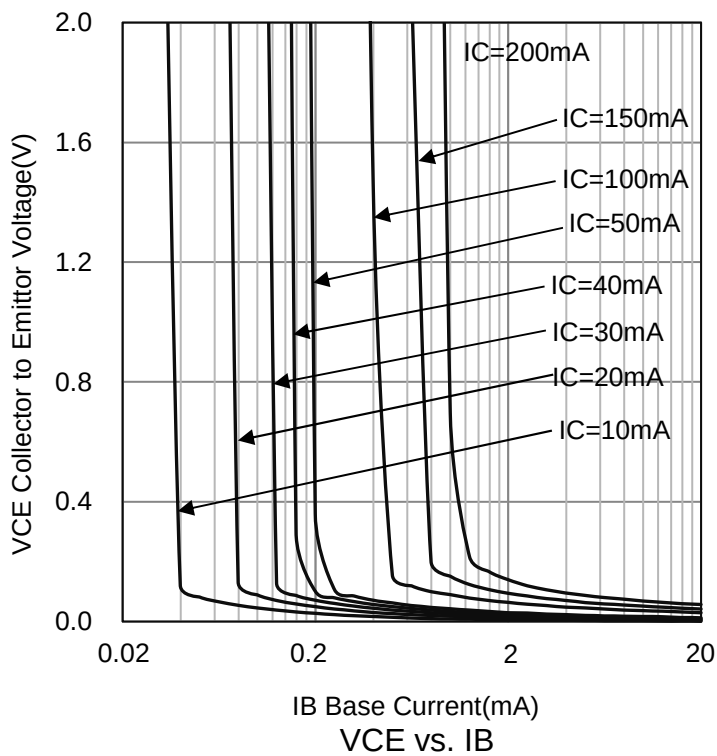
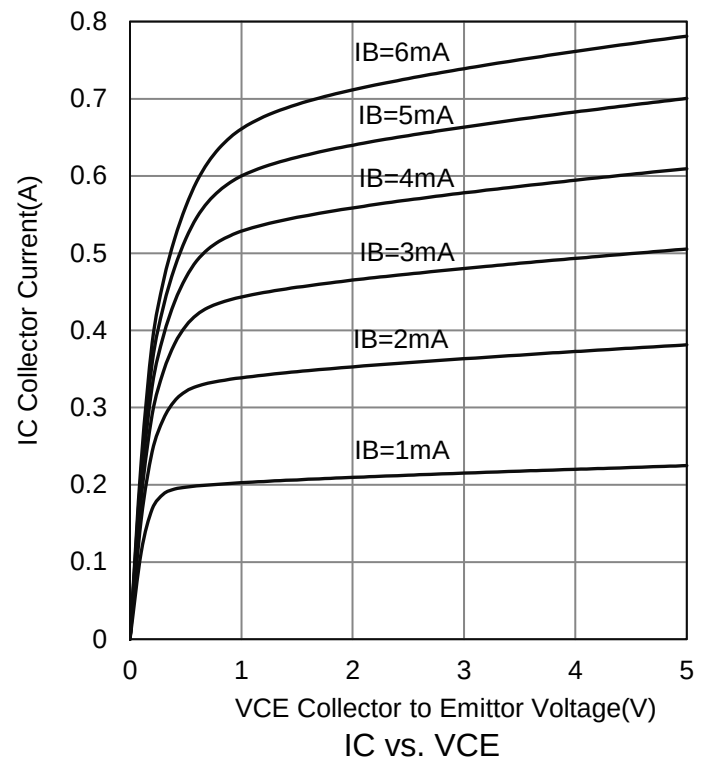
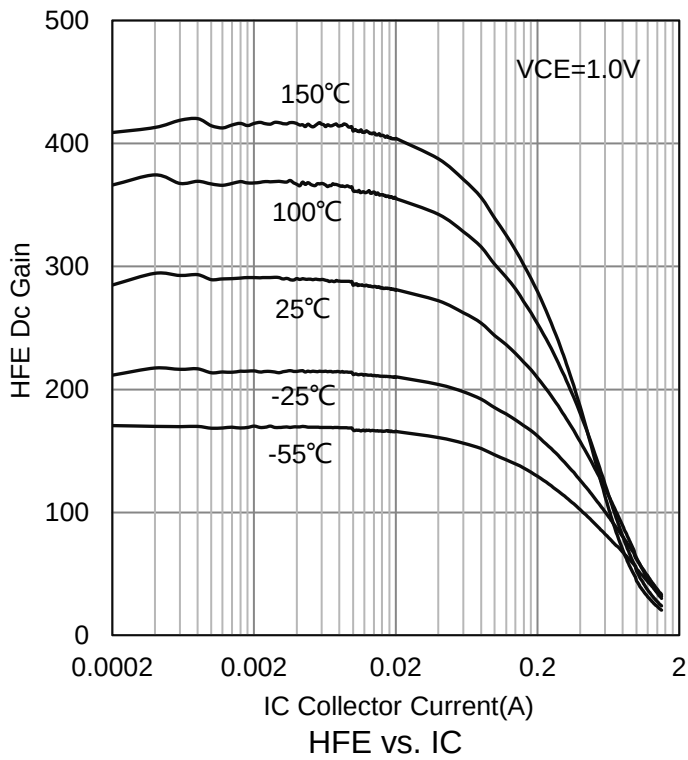
3. MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
Collector-Emitter Voltage	VCEO	-32	V
Collector-Base voltage	VCBO	-40	V
Emitter-Base Voltage	VEBO	-5	V
Collector current-continuous	IC	-0.8	A
Collector power dissipation	Pc	0.2	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55~+150	°C

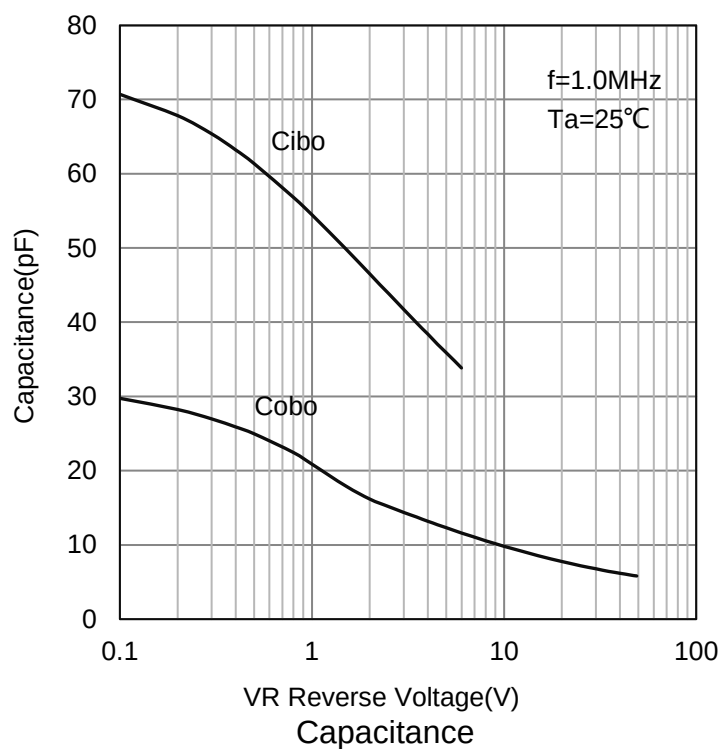
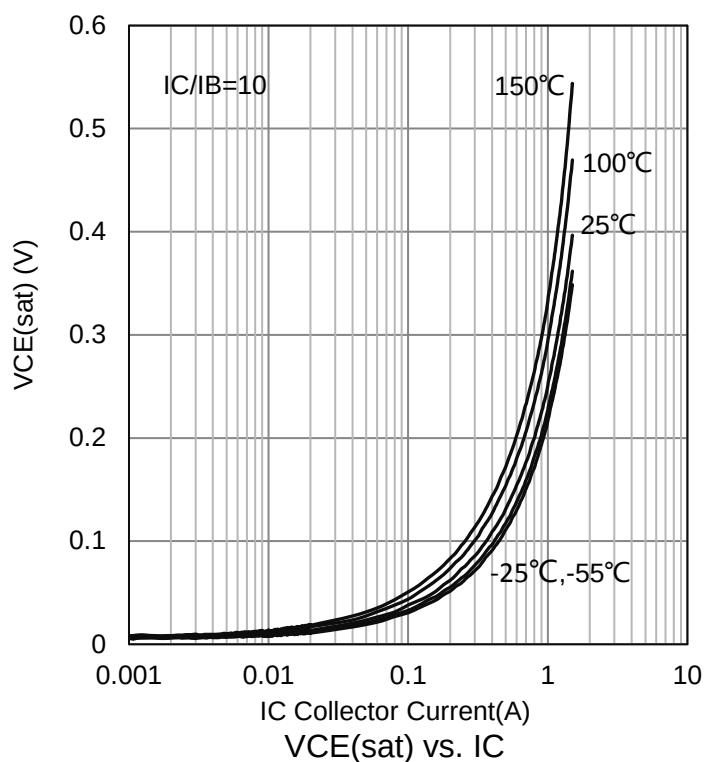
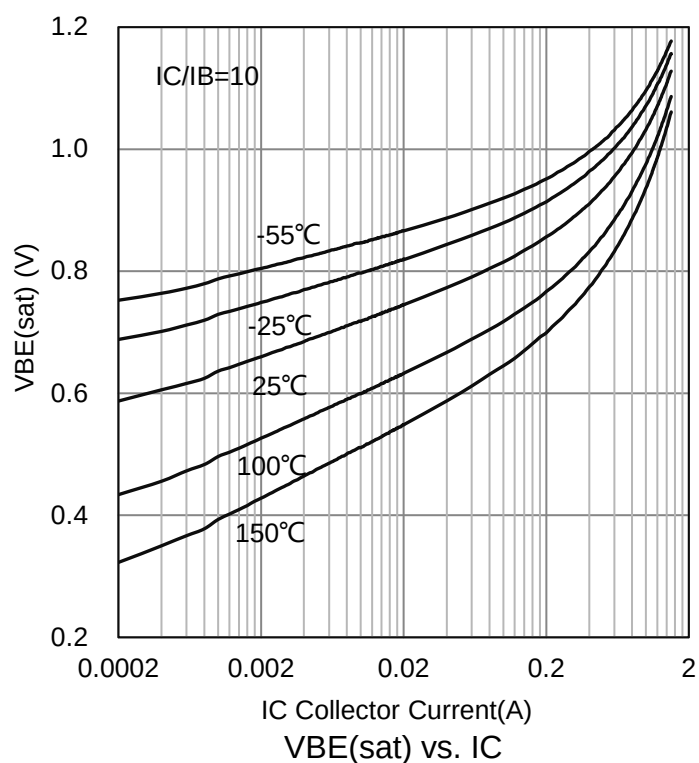
4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Collector-Emitter Breakdown Voltage (IC = -1.0mA)	V(BR)CEO	-32	-	-	V
Emitter-Base Breakdown Voltage (IE = -50μA)	V(BR)EBO	-5	-	-	V
Collector-Base Breakdown voltage (IC = -50μA)	V(BR)CBO	-40	-	-	V
Collector Cutoff Current (VCB = -20 V)	ICBO	-	-	-0.5	μA
Emitter Cutoff Current (VEB = -4V)	IEBO	-	-	-0.5	μA
Collector-Emitter Saturation Voltage (IC = -0.5A, IB = -50mA)	VCE(Sat)	-	-	-0.5	V
Base-Emitter Saturation Voltage (IC = -800mA, IB = -80mA)	VBE(Sat)	-	-	-1.2	V
DC current transfer ratio (VCE = - 3 V, IC = -100mA)	HFE	180	-	390	
Transition frequency (VCE = - 5 V, IE = 50mA, f=100MHz)	fT	-	200	-	MHz
Output capacitance (VCB = - 10 V, IE = 0A, f =1MHz)	Cob	-	12	30	pF

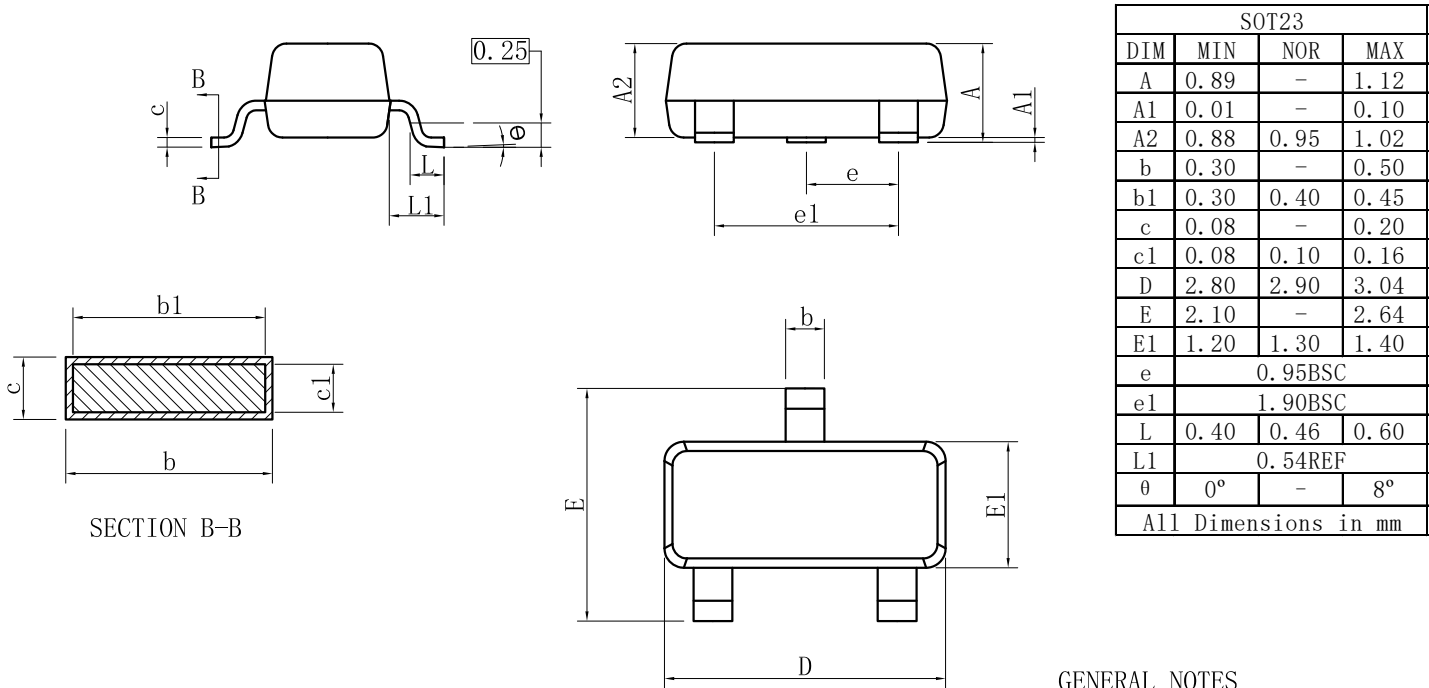
5.ELECTRICAL CHARACTERISTICS CURVES



5.ELECTRICAL CHARACTERISTICS CURVES(Con.)



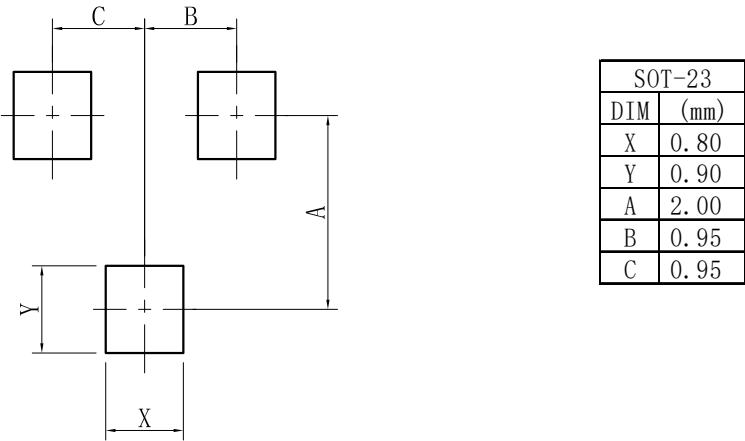
6.OUTLINE AND DIMENSIONS



GENERAL NOTES

- 1.Top package surface finish Ra0.4±0.2um
- 2.Bottom package surface finish Ra0.7±0.2um
- 3.Side package surface finish Ra0.4±0.2um

7.SOLDERING FOOTPRINT



DISCLAIMER

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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