

Features

- Very small-sized package permitting 2SA1839-applied sets to be made small and slim.
- Small output capacitance.
- Low collector-to-emitter saturation voltage.
- Low ON resistance.

Absolute Maximum Ratings at Ta = 25°C

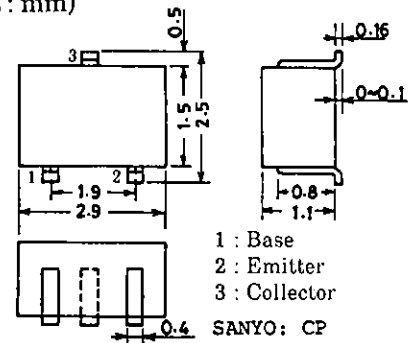
			unit
Collector-to-Base Voltage	V _{CB0}	-15	V
Collector-to-Emitter Voltage	V _{CEO}	-10	V
Emitter-to-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-100	mA
Collector Current (Pulse)	I _{CP}	-200	mA
Base Current	I _B	-20	mA
Collector Dissipation	P _C	250	mW
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

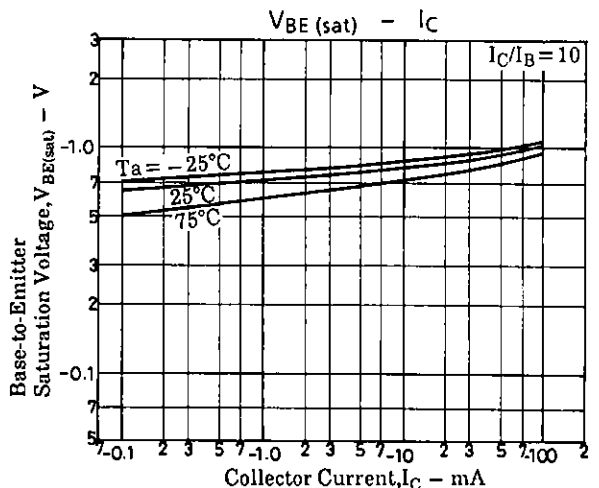
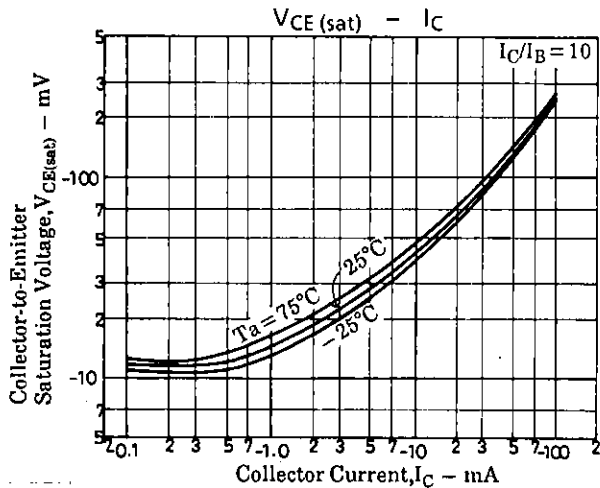
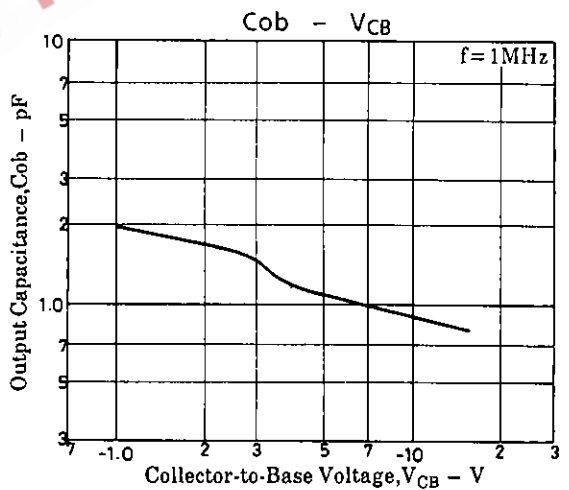
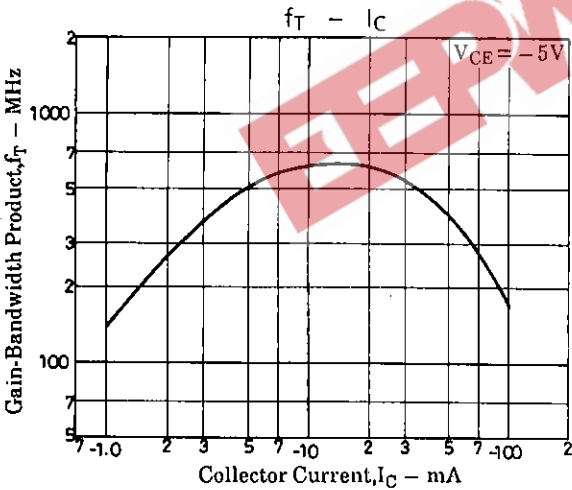
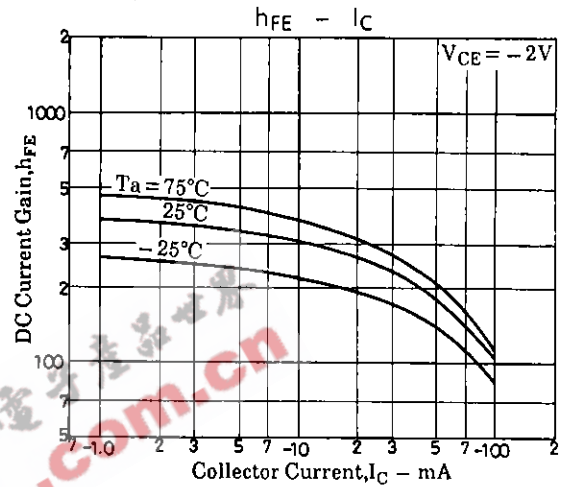
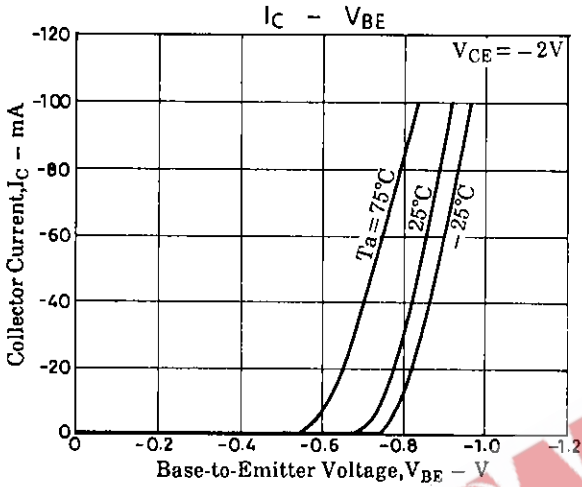
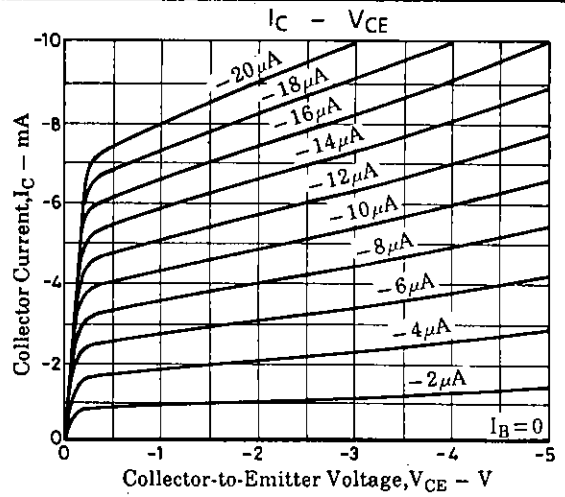
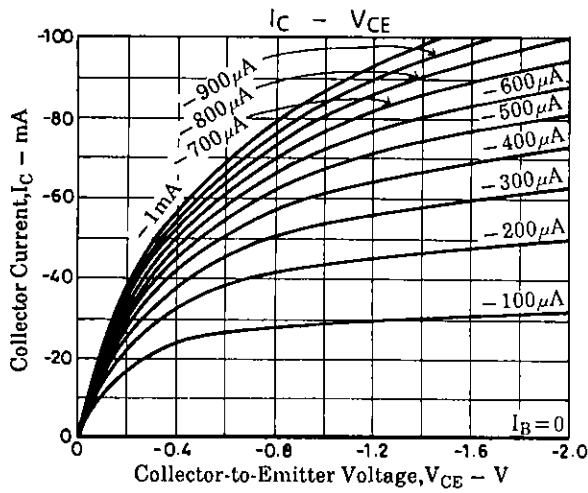
Electrical Characteristics at Ta = 25°C

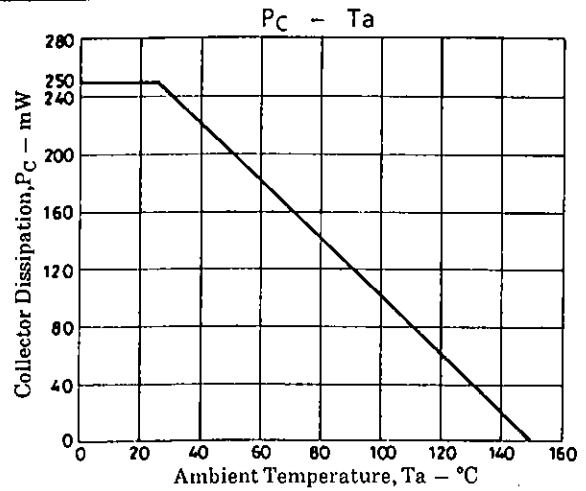
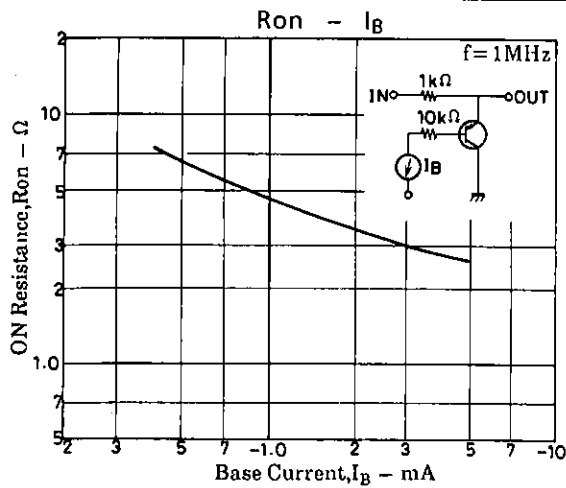
			min	typ	max	unit
Collector Cutoff Current	I _{CB0}	V _{CB} = -12V, I _E = 0			-0.1	μA
Emitter Cutoff Current	I _{EBO}	V _{EB} = -4V, I _C = 0			-0.1	μA
DC Current Gain	h _{FE}	V _{CE} = -2V, I _C = -5mA	200		600	
Gain-Bandwidth Product	f _T	V _{CE} = -5V, I _C = -10mA		600		MHz
Output Capacitance	C _{ob}	V _{CB} = -10V, f = 1MHz		0.9		pF
C-E Saturation Voltage	V _{CE(sat)}	I _C = -10mA, I _B = -1mA		-0.04	-0.15	V
B-E Saturation Voltage	V _{BE(sat)}	I _C = -10mA, I _B = -1mA		-0.82	-1.1	V
C-B Breakdown Voltage	V _{(BR)CBO}	I _C = -10μA, I _E = 0	-15			V
C-E Breakdown Voltage	V _{(BR)CEO}	I _C = -1mA, R _{BE} = ∞	-10			V
E-B Breakdown Voltage	V _{(BR)EBO}	I _E = -10μA, I _C = 0	-5			V
ON Resistance	R _{on}	I _B = -3mA, f = 1MHz		3.0		Ω

Marking: LS

Package Dimensions 2018B (unit: mm)







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