

SANYO	No.3252A	2SC4572
	NPN Triple Diffused Planar Silicon Transistor 800V/20mA Switching Applications	

Features

- High breakdown voltage
- Small Cob
- High reliability (Adoption of HVP process)

Absolute Maximum Ratings at Ta = 25°C

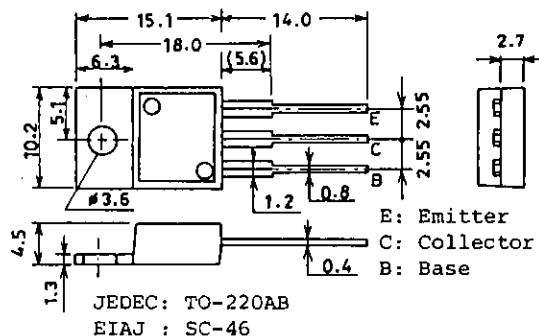
			unit
Collector-to-Base Voltage	V _{CB0}	800	V
Collector-to-Emitter Voltage	V _{CEO}	800	V
Emitter-to-Base Voltage	V _{EBO}	7	V
Collector Current	I _C	20	mA
Collector Current (Pulse)	I _{CP}	60	mA
Collector Dissipation	P _C	1.75	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	- 55 to + 150	°C

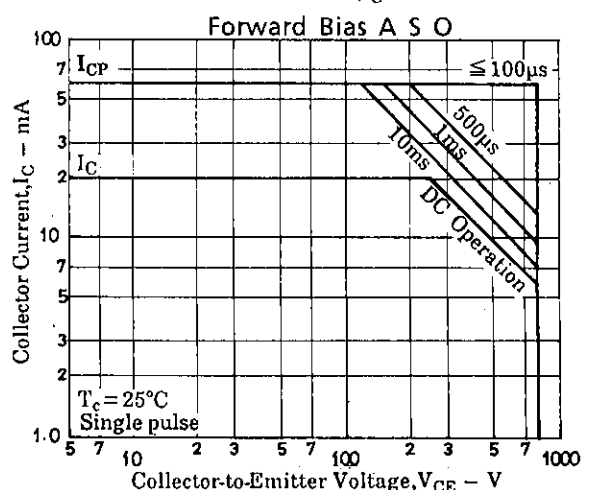
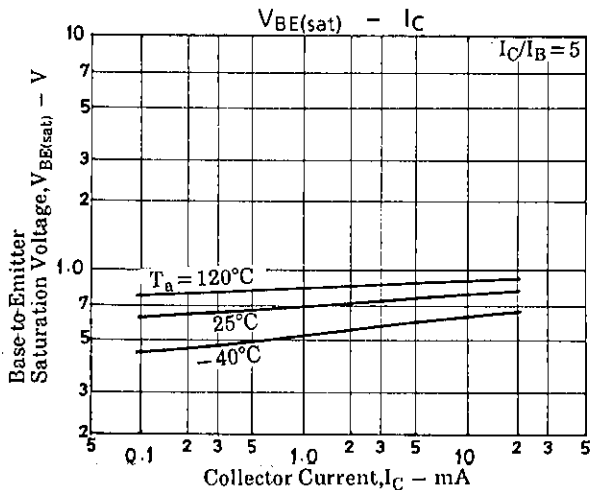
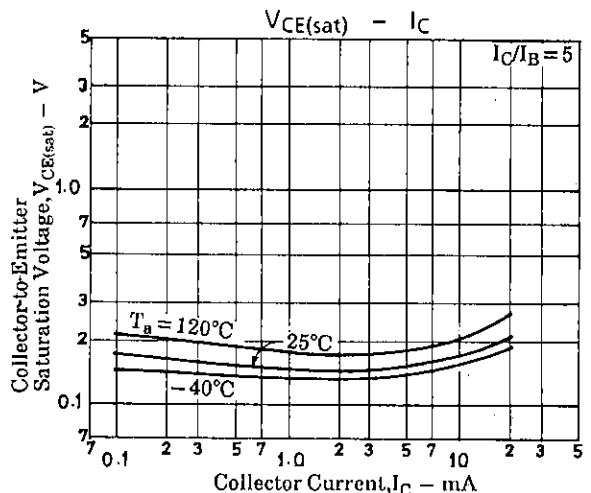
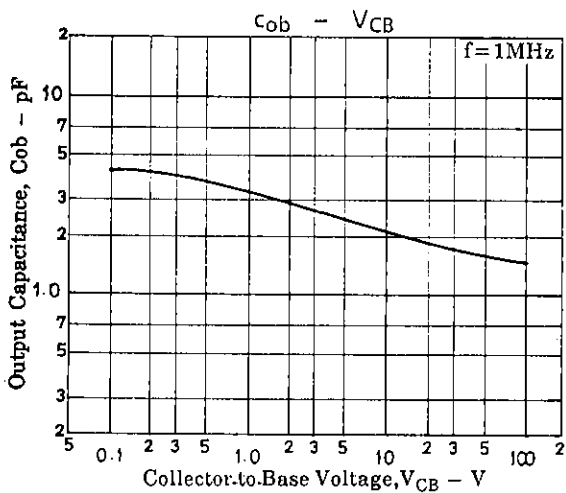
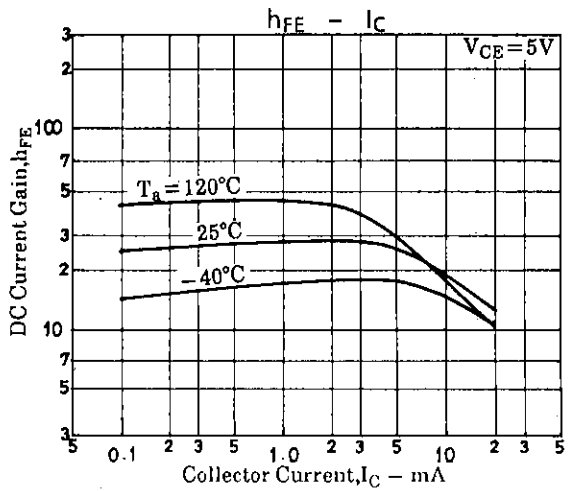
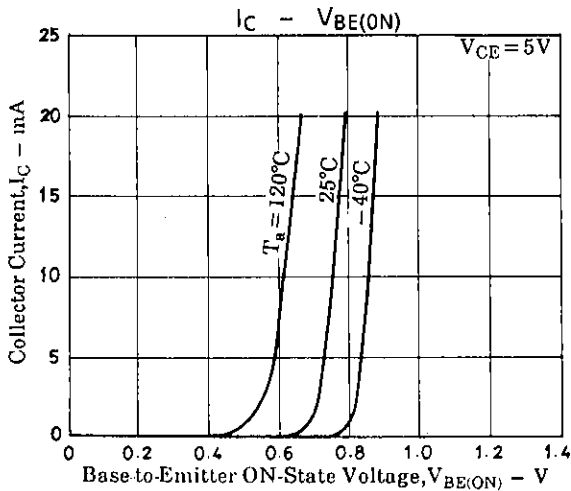
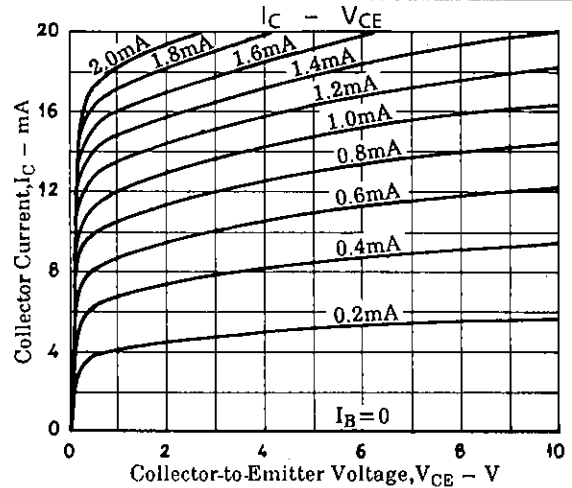
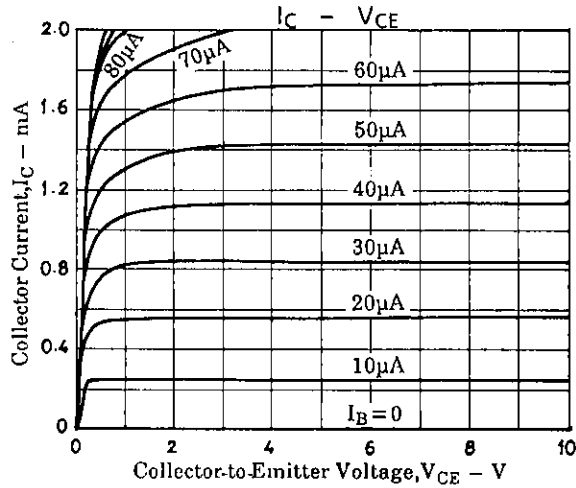
Electrical Characteristics at Ta = 25°C

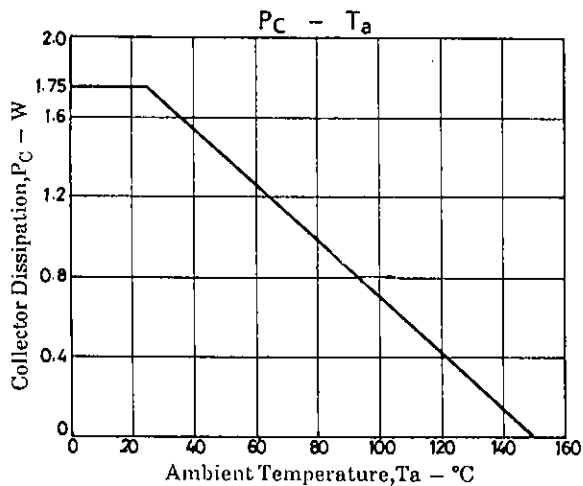
			min	typ	max	unit
Collector Cutoff Current	I _{CB0}	V _{CB} = 800V, I _E = 0			1	μA
Emitter Cutoff Current	I _{EBO}	V _{EB} = 5V, I _C = 0			1	μA
DC Current Gain	h _{FE} (1)	V _{CE} = 5V, I _C = 2mA	20		50	
	h _{FE} (2)	V _{CE} = 5V, I _C = 10mA	10			
Gain-Bandwidth Product	f _T	V _{CE} = 10V, I _C = 2mA		40		MHz
Output Capacitance	C _{ob}	V _{CB} = 100V, f = 1MHz		1.6		pF
C-E Saturation Voltage	V _{CE(sat)}	I _C = 10mA, I _B = 2mA			1	V
B-E Saturation Voltage	V _{BE(sat)}	I _C = 10mA, I _B = 2mA			1.5	V
C-B Breakdown Voltage	V _{(BR)CBO}	I _C = 100μA, I _E = 0	800			V
C-E Breakdown Voltage	V _{(BR)CEO}	I _C = 1mA, R _{BE} = ∞	800			V
E-B Breakdown Voltage	V _{(BR)EBO}	I _E = 100μA, I _C = 0	7			V
Thermal Resistance	R _{th(j-c)}	Junction - Case			8.3	°C/w

Package Dimensions 2010B

(unit: mm)







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