

SANYO

No.2968

2SC4217

NPN Triple Diffused Planar Silicon Transistor
 Color TV Chroma Output, Sound Output,
 B/W TV Video Output,
 Sound Output Applications

Features

- High breakdown voltage ($V_{CEO} \geq 300V$)
- Micaless package facilitating easy mounting

Absolute Maximum Ratings at $T_a = 25^\circ C$

Absolute Maximum Ratings at Ta= 25°C				unit
Collector-to-Base Voltage	V _{CBO}		300	V
Collector-to-Emitter Voltage	V _{CEO}		300	V
Emitter-to-Base Voltage	V _{EBO}		6	V
Collector Current	I _C		200	mA
Peak Collector Current	i _{cp}		400	mA
Collector Dissipation	P _C	Ta= 25°C	1.5	W
		Tc= 25°C	10	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		- 55 to + 150	°C

Electrical Characteristics at $T_a = 25^\circ C$

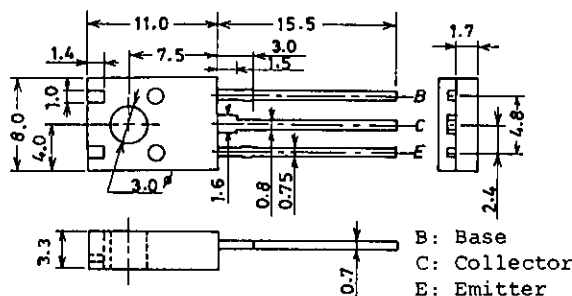
			min	typ	max	unit
Collector Cutoff Current	I_{CBO}	$V_{CB} = 200V, I_E = 0$			0.1	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB} = 5V, I_C = 0$			0.1	μA
DC Current Gain	h_{FE}	$V_{CE} = 10V, I_C = 10mA$	40*		200*	
Gain-Bandwidth Product	f_T	$V_{CE} = 10V, I_C = 10mA$		70		MHz
Output Capacitance	c_{ob}	$V_{CB} = 50V, f = 1MHz$		3.5		pF
C-E Saturation Voltage	$V_{CE(sat)}$	$I_C = 20mA, I_B = 2mA$			0.6	V
B-E Saturation Voltage	$V_{BE(sat)}$	$I_C = 20mA, I_B = 2mA$			1.0	V

* : The 2SC4217 is classified by 10mA h_{FE} as follows :

40	C	80	60	D	120	100	E	200
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Package Dimensions 2042A

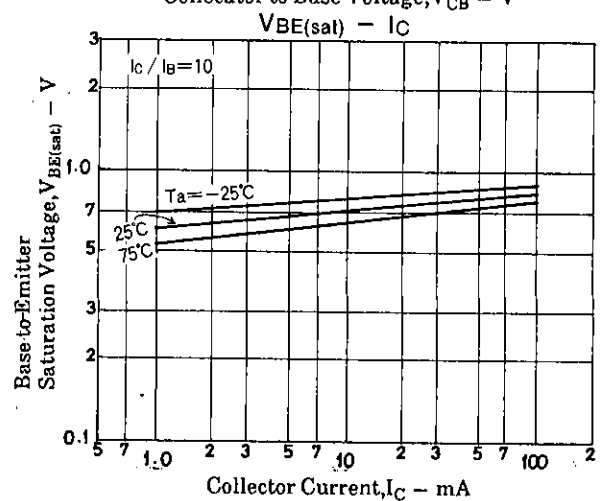
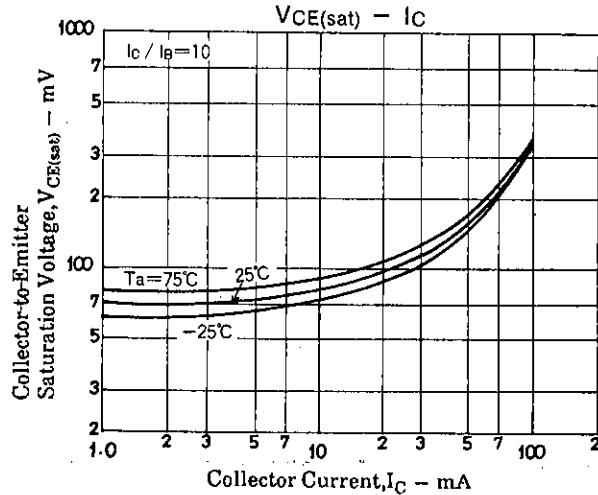
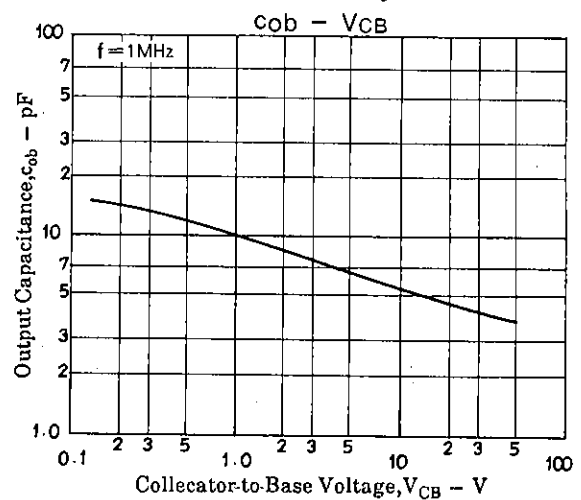
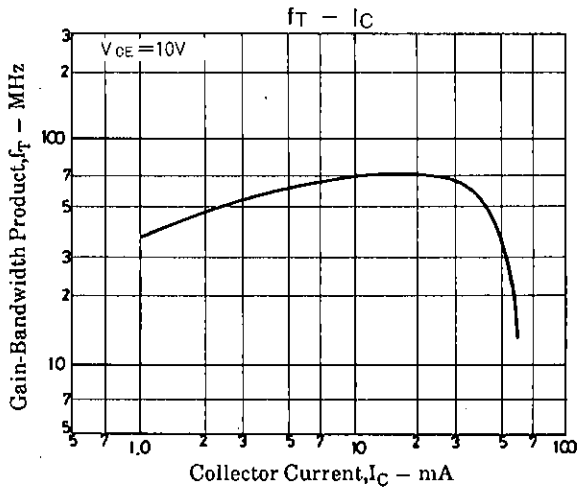
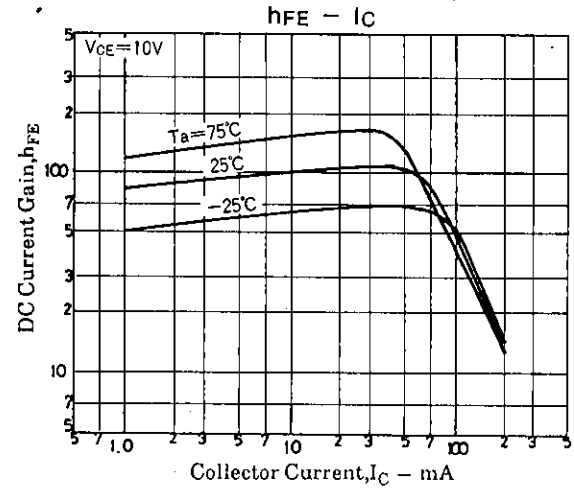
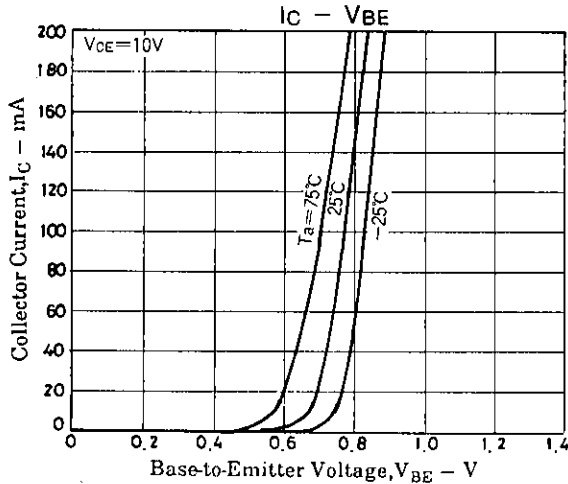
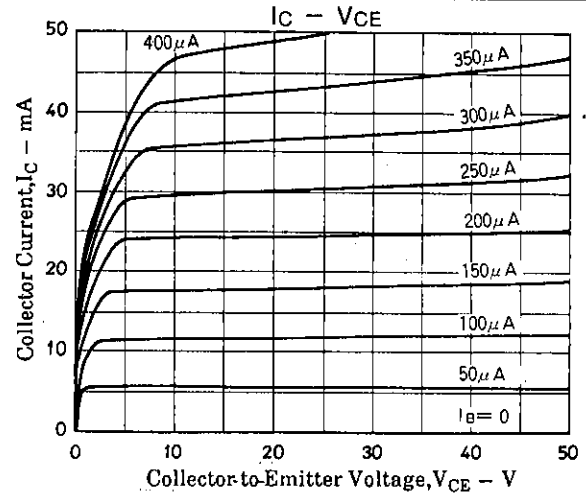
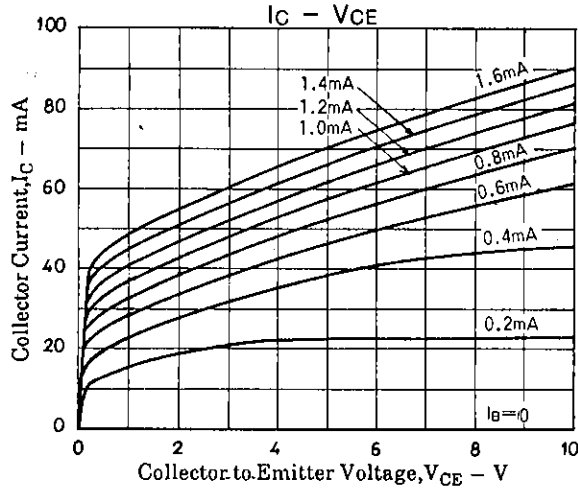
(unit: mm)

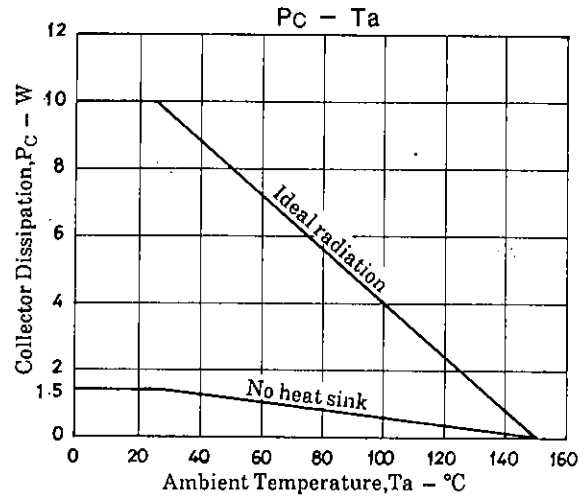
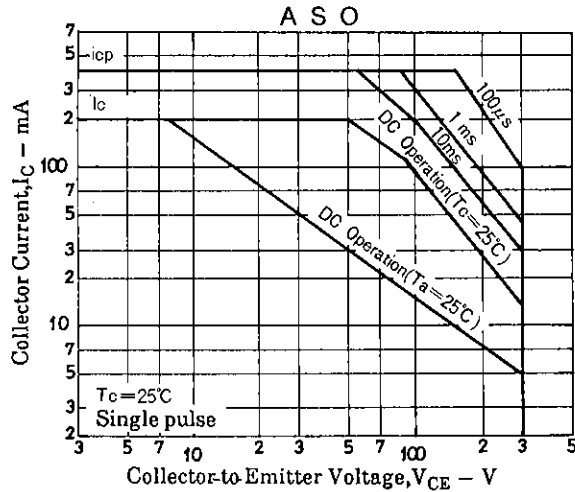


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