

**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  $T_a = 25^\circ C$**

			unit
Collector-to-Base Voltage	$V_{CB0}$	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	$P_C$	$T_a = 25^\circ C$ $T_c = 25^\circ C$	1.5 W
Junction Temperature	$T_j$	10	$W$
Storage Temperature	$T_{stg}$	150	$^\circ C$
		-55 to +150	$^\circ C$

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

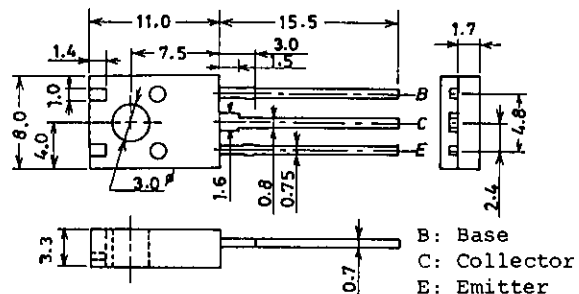
			min	typ	max	unit
Collector Cutoff Current	$I_{CBO}$	$V_{CB} = 200V, I_E = 0$			0.1	$\mu A$
Emitter Cutoff Current	$I_{EBO}$	$V_{EB} = 5V, I_C = 0$			0.1	$\mu A$
DC Current Gain	$h_{FE}$	$V_{CE} = 10V, I_C = 10mA$	40*		200*	
Gain-Bandwidth Product	$f_T$	$V_{CE} = 10V, I_C = 10mA$		70		MHz
Output Capacitance	$c_{ob}$	$V_{CB} = 50V, f = 1MHz$		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 :

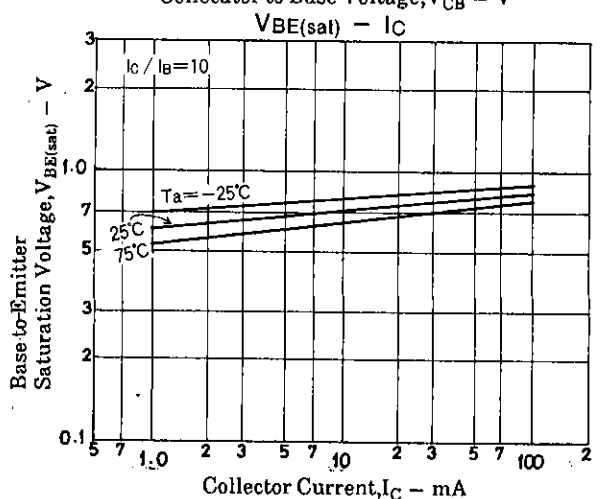
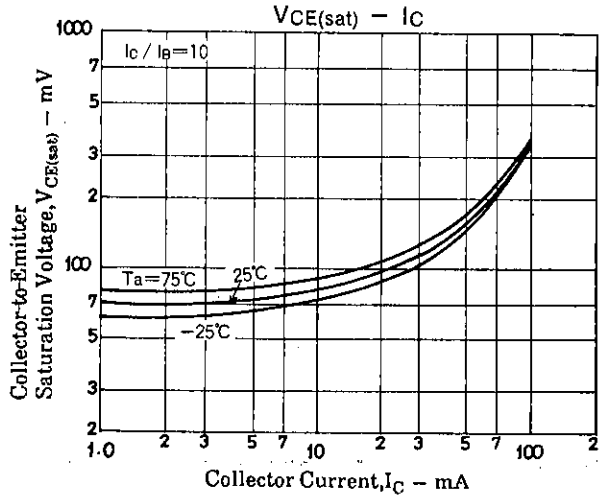
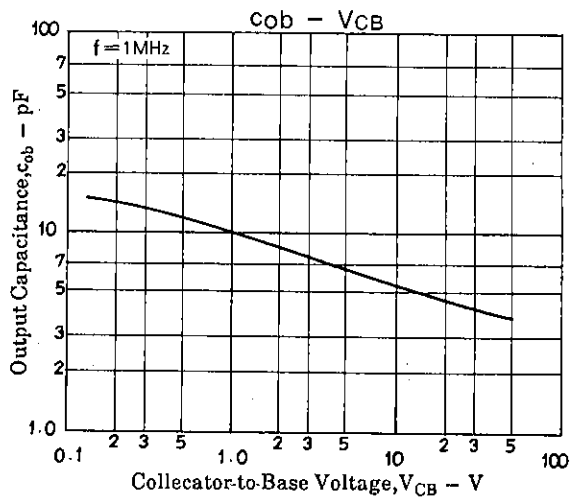
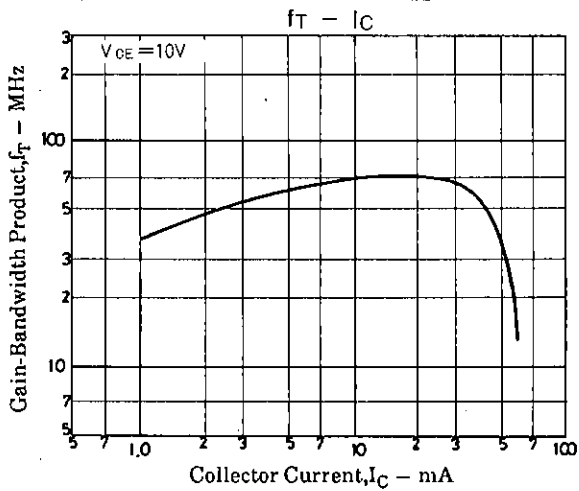
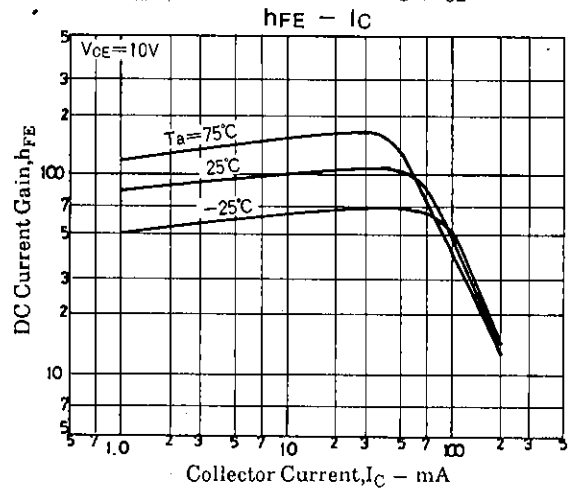
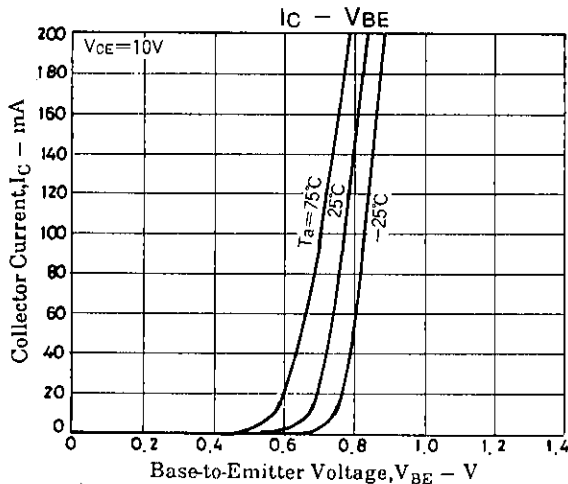
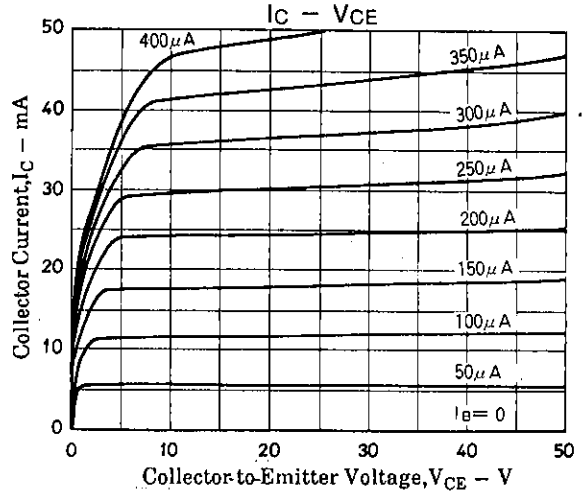
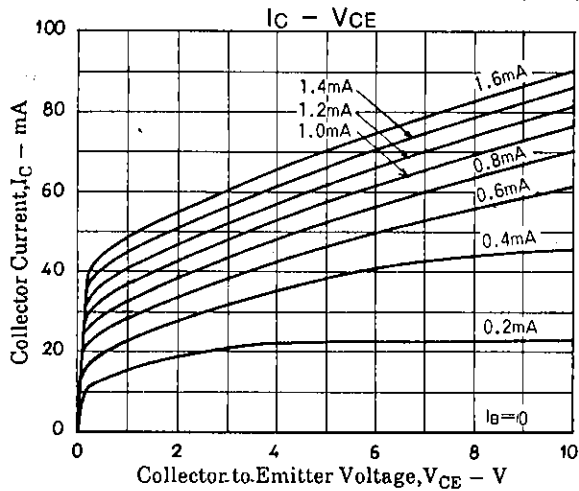
40	C	80	60	D	120	100	E	200
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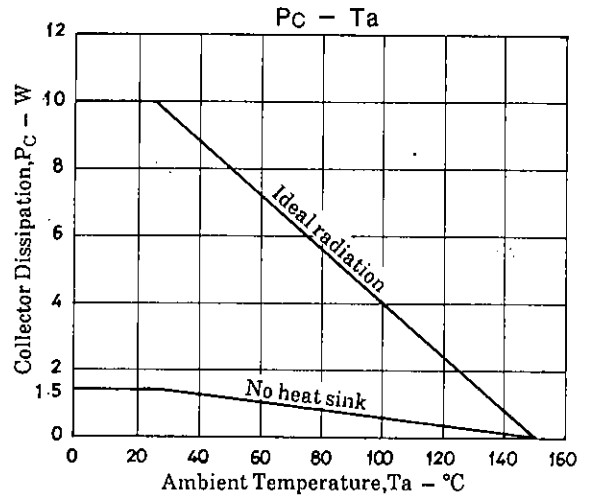
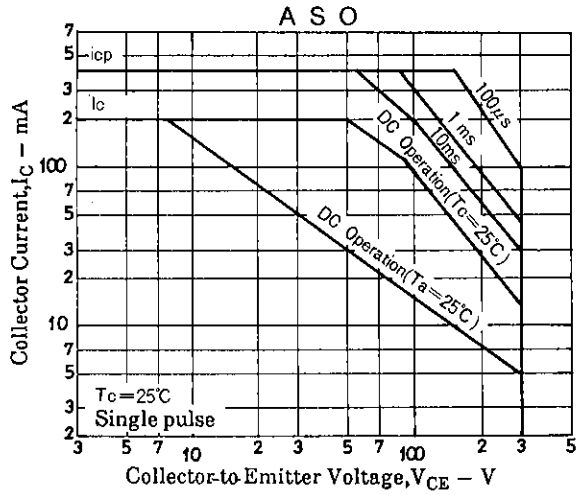
**Package Dimensions 2042A**

(unit: mm)



SANYO: T0126ML





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