



No.2968

**2SC4217**

NPN Triple Diffused Planar Silicon Transistor  
**Color TV Chroma Output and  
 Audio Output Applications**

**Features**

- High breakdown voltage ( $V_{CE0} \geq 300V$ )
- 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	$V_{CE0}$	300	V
Emitter-to-Base Voltage	$V_{EB0}$	6	V
Collector Current	$I_C$	200	mA
Collector Current (Pulse)	$I_{CP}$	400	mA
Collector Dissipation	$P_C$	1.5	W
		10	W
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature	$T_{stg}$	-55 to +150	$^\circ C$

$T_c = 25^\circ C$

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

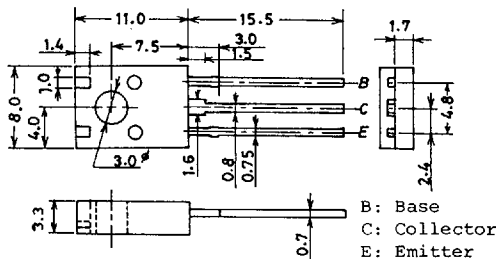
			min	typ	max	unit
Collector Cutoff Current	$I_{CBO}$	$V_{CB} = 200V, I_E = 0$			0.1	$\mu A$
Emitter Cutoff Current	$I_{EBO}$	$V_{EB} = 5V, I_C = 0$			0.1	$\mu A$
DC Current Gain	$h_{FE}$	$V_{CE} = 10V, I_C = 10mA$	40*		200*	
Gain-Bandwidth Product	$f_T$	$V_{CE} = 10V, I_C = 10mA$		70		MHz
Output Capacitance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



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