

SANYO Semiconductors DATA SHEET

NPN Triple Diffused Planar Silicon Transistor

2SC4217—Color TV Chroma Output and Audio Output Applications

Features

- High breakdown voltage (VCEO≥300V).
- · Micaless package facilitating easy mounting.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		300	V
Collector-to-Emitter Voltage	VCEO		300	V
Emitter-to-Base Voltage	VEBO		6	V
Collector Current	IC		200	mA
Collector Current (Pulse)	ICP		400	mA
Collector Dissipation	D-		1.5	W
	PC	Tc=25°C	10	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Collector Cutoff Current	ICBO	V _{CB} =200V, I _E =0A			0.1	μΑ
Emitter Cutoff Current	IEBO	V _{EB} =5V, I _C =0A			0.1	μΑ
DC Current Gain	hFE	V _{CE} =10V, I _C =10mA	40*	·	200*	

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^{*:} The 2SC4217 is classified by 10mA hFE as follws:

Rank	C	D	Е		
hFE	40 to 80	60 to 120	100 to 200		

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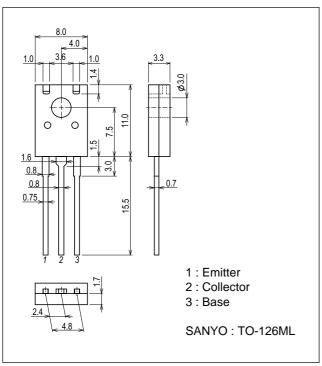
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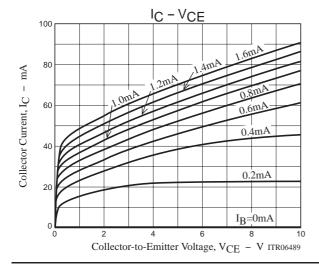
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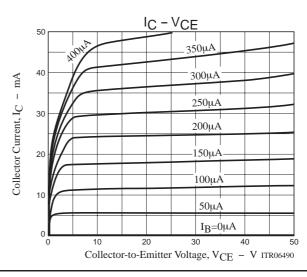
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gain-Bandwidth Product	fŢ	VCE=10V, IC=10mA		70		MHz
Output Capacitance	Cob	V _{CB} =50V, f=1MHz		3.5		pF
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC=20mA, IB=2mA			0.6	V
Base-to-Emitter Saturation Voltage	VBE(sat)	IC=20mA, IB=2mA			1.0	V

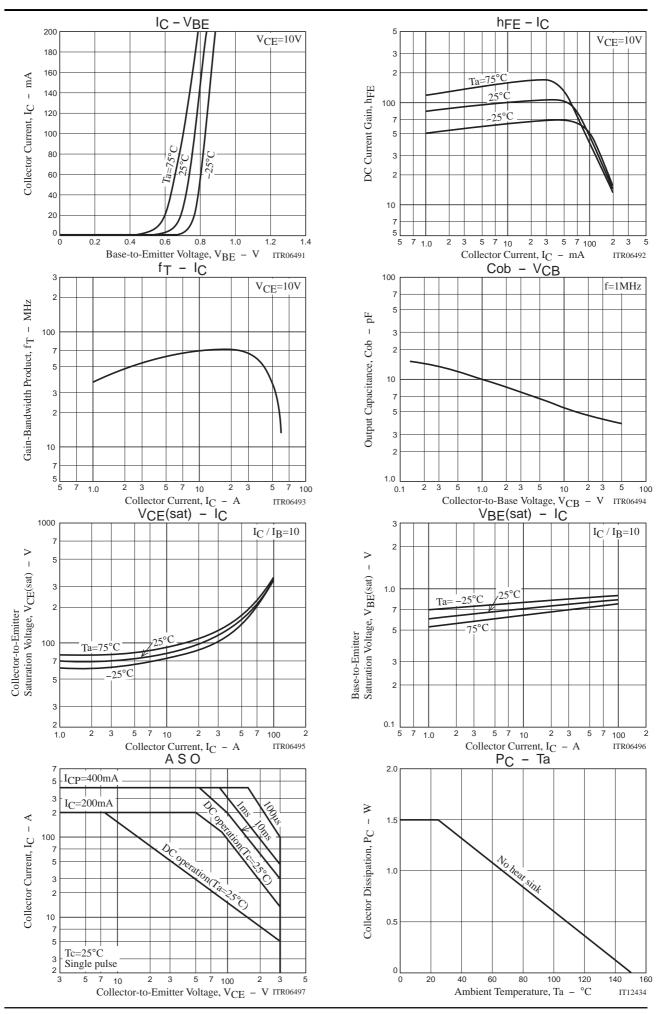
Package Dimensions

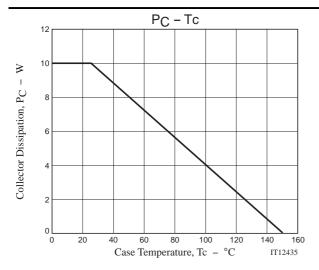
unit : mm (typ) 7516-002











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