FOR SMALL TYPE COLOUR TV CHROMA OUTPUT APPLICATION SILICON NPN TRIPLE DIFFUSED TYPE

DESCRIPTION

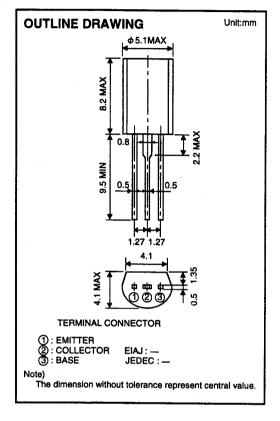
2SC3249 is a silicon NPN triple diffused transistor designed for colour TV chroma output circuit, high voltage, switching circuit application.

FEATURE

- ●High voltage VcEo=250V
- ●High gain width product ft=80MHz typ
- ●Low Cob Cob=3.5pF typ

APPLICATION

Small type colour TV chroma output circuit, high voltage switching circuit.



MAXIMUM RATINGS (Ta=25℃)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	300	V
VEBO	Emitter to Base voltage	5	V
VCEO	Collector to Emitter voltage	250	. V
lc	Collector current	100	mA
Pc	Collector dissipation(Ta=25℃)	900	mW
Tj	Junction temperature	+150	ొ
Tstg	Storage temperature	-55 to +150	r

ELECTRICAL CHARACTERISTICS (Ta=25℃)

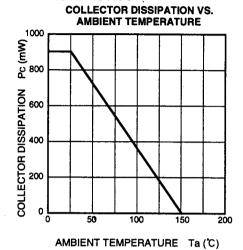
Symbol	Parameter	Test conditions	Limits		Unit	
		Test conditions	Min	Тур	Max	Offic
V(BR)CBO	C to B break down voltage	ic=10 μ A,iE=0	300			٧
V(BR)EBO	E to B break down voltage	IE=10 μ A,IC=0	5			V
V(BR)CEO	C to E break down voltage	Ic=5mA,RBE=∞,pulse measurement	250			V
Ісво	Collector cut off current	VcB=150V,IE=0			1	μА
hfe *	DC forward current gain	VcE=10V,lc=25mA	55		230	
VCE(sat)	C to E saturation voltage	Ic=25mA,IB=2.5mA			1.5	V
ft	Gain band width product	VcE=10V,IE=-10mA f=10MHz	60	80		MHz
Cob	Collector output capacitance	VcB=10V,IE=0,f=1MHz,triode measurement		3.5		pF

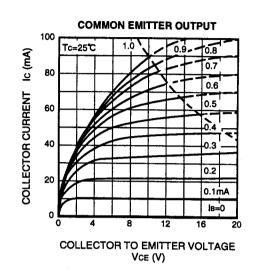
^{*} It shows her classification in right table.

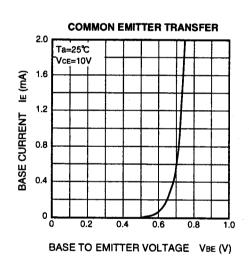
item	С	D	E
hFE	55 to 110	90 to 180	150 to 230

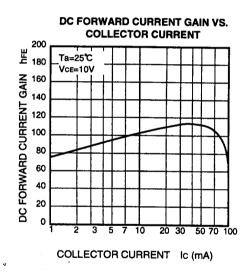
FOR SMALL TYPE COLOUR TV CHROMA OUTPUT APPLICATION SILICON NPN TRIPLE DIFFUSED TYPE

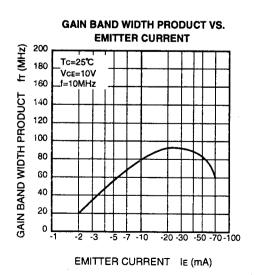
TYPICAL CHARACTERISTICS













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