FOR RELAY DRIVE, POWER SUPPLY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

2SC3247 is a silicon NPN epitaxial type transistor. Designed with high voltage,high collector current, dissipation and high hee.

Complementary with 2SA1287.

FEATURE

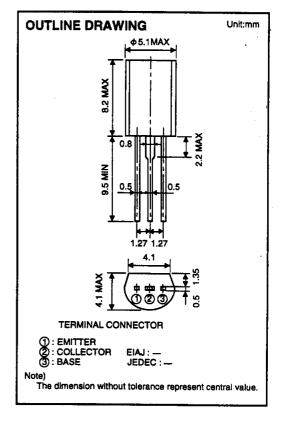
- ●High hFE hFE=600 to 1800
- ●High voltage VcEo=50V
- ●Low collector to emitter saturation voltage

VCE(sat)=0.15V (@ ic=500mA, ib=10mA)

●High collector dissipation Pc=900mW

APPLICATION

Relay drive or power supply for audio machine, VCR, and other electronic machine.



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	50	V
VEBO	Emitter to Base voltage	6	V
VCEO	Collector to Emitter voltage	50	V
ісм	Peak collector current	2	Α
lc	Collector current	1	A
Pc	Collector dissipation(Ta=25°C)	900	mW
Tj	Junction temperature	+150	ో
Tstg	Storage temperature	-55 to +150	౮

ELECTRICAL CHARACTERISTICS (Ta=25℃)

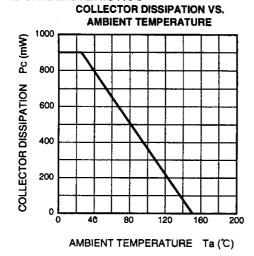
Symbol	Parameter	Test conditions		Limits		
			Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	IC=10 μ A,IE=0	50			V
V(BR)EBO	E to B break down voltage	iE=10 μ A,IC=0	6		†	V
V(BR)CEO	C to E break down voltage	Ic=1mA,RBE=∞	50	<u> </u>		V
Ісво	Collector cut off current	VcB=40V,IE=0		†	0.1	μА
1EBO	Emitter cut off current	VEB=2V,IC=0			0.1	μА
hee *	DC forward current gain	VcE=6V,lc=100mA	600		1800	
VCE(sat)	C to E saturation voltage	Ic=500mA,IB=10mA		0.15	0.5	V
fr	Gain band width product	VcE=10V,IE=-10mA		130		MHz
Cob	Collector output capacitance	VcB=10V,IE=0,f=1MHz		12	<u> </u>	ρF

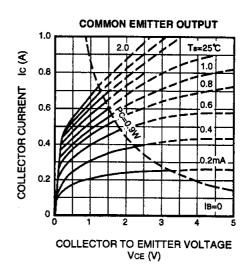
* It shows her classification in right table

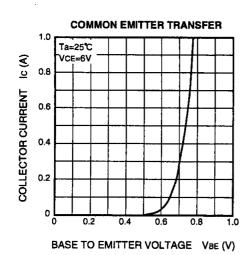
item	Н	J
hFE	600 to 1200	900 to 1800

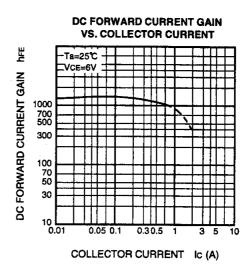
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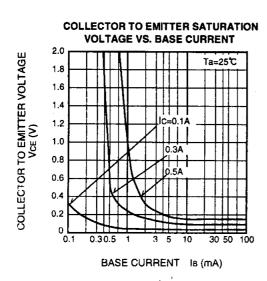
TYPICAL CHARACTERISTICS

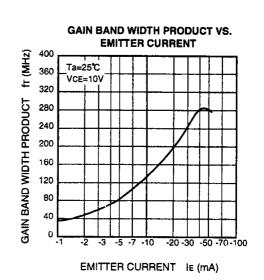




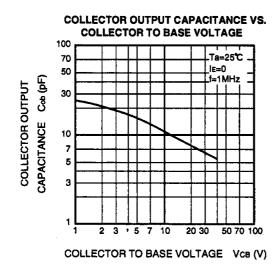








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