FOR LOW FREQUENCY POWER AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

2SC3244 is a silicon NPN epitaxial type transistor designed with high collector dissipation, high voltage.

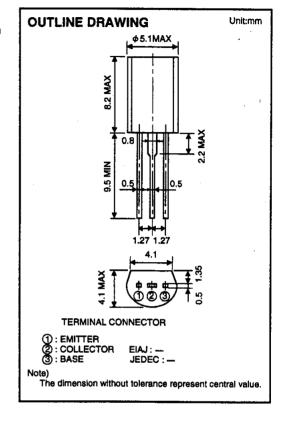
Complementary with 2SA1284.

FEATURE

- ●High voltage VcEo=100V
- ●High peak collector current icm=800mA
- ●High gain band width product. ft=130MHz (typ)
- ●High collector dissipation Pc=900mW

APPLICATION

Drive for 20 to 40W amplifier, relay drive, power supply application.



MAXIMUM RATINGS (Ta=25℃)

Symbol	Parameter '	Ratings	Unit
Vсво	Collector to Base voltage	100	٧
VEBO	Emitter to Base voltage	5	V
VCEO	Collector to Emitter voltage	100	V
Ісм	Peak collector current	800	mA
lc	Collector current	500	mA
Pc	Collector dissipation(Ta=25°C)	900	mW
Tj	Junction temperature	+150	ಌ
Tstg	Storage temperature	-55 to +150	౪

ELECTRICAL CHARACTERISTICS (Ta=25°C)

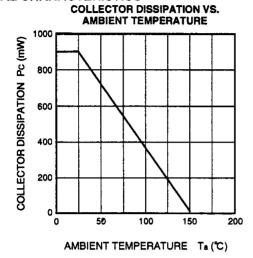
Symbol	Parameter	Test conditions		Limits		
		1 est conditions	Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	IC=10 μ A,IE=0	100			V
V(BR)EBO	E to B break down voltage	IE=10 μ A,IC=0	5	i		V
V(BR)CEO	C to E break down voltage	Ic=1mA,RBE=∞	100	Ì		V
Ісво	Collector cut off current	VcB=50V,IE=0			0.5	μÂ
І ЕВО	Emitter cut off current	VEB=2V,IC=0			0.5	μA
hre +	DC forward current gain	VcE=10V,lc=10mA	55		300	
VCE(sat)	C to E saturation voltage	Ic=150mA,Is=15mA		0.15	0.5	V
fr	Gain band width product	VcE=10V,IE=-10mA		130		MH≥
Cob	Collector output capacitance	VcB=10V,IE=0,f=1MHz		6.5		pF

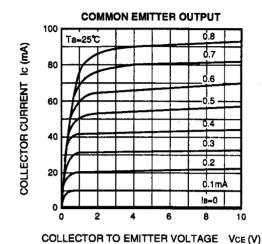
st : It shows here classification in right table

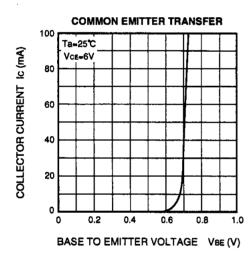
item	C	D	Ε
hFE	55 to 110	90 to 180	150 to 300

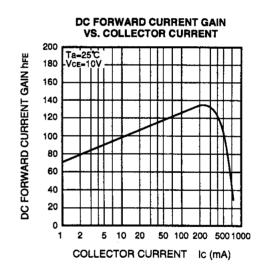
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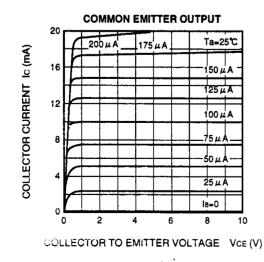
TYPICAL CHARACTERISTICS

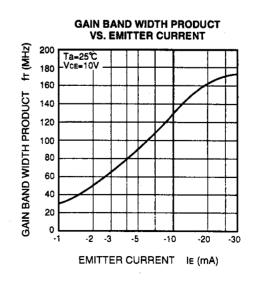




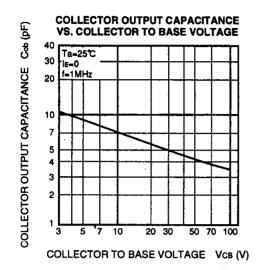








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