FOR HIGH CURRENT DRIVE APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

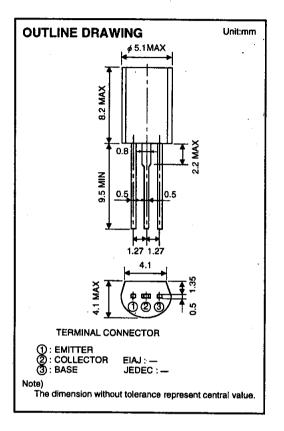
2SC4356 is a silicon NPN epitaxial type transistor designed relay drive application.

FEATURE

- ●High voltage VcEo=60V
- ●High collector current Ic=2A
- ●Low VCE(sat) VCE(sat)=0.5Vmax (@IC=1A,IB=50mA)
- ●High collector dissipation Pc=900mW

APPLICATION

Audio machine, VCR, relay drive.



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	60	V
VEBO	Emitter to Base voltage	6	V
VCEO	Collector to Emitter voltage	60	T V
ICM	Peak Collector current	3	A
lc	Collector current	2	A
Pc	Collector dissipation(Ta=25°C)	900	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55 to +150	°c

ELECTRIAL CHARACTERISTICS (Ta=25°C)

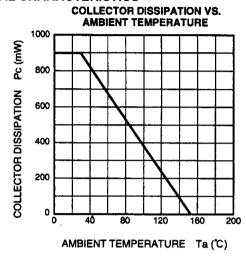
Symbol	Parameter	Test conditions		Limits		
		100000114110110	Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	IC=10 μ A,IE=0	60			V
V(BR)EBO	E to B break down voltage	IE=10 μ A,IC=0	6			V
V(BR)CEO	C to E break down voltage	tc=2mA,RBE=∞	60			V
Ісво	Collector cut off current	Vcb=50V,IE=0			0.2	μA
IEBO .	Emitter cut off current	VEB=4V,ic=0			0.2	μA
hre *	DC forward current gain	VcE=4V,lc=100mA	55		300	<u> </u>
VCE(sat)	C to E saturation voltage	ic=1A,ls=50mA		0.2	0.5	V
fτ	Gain band width product	Vce=2V,le=-10mA		80		MHz
Сор	Collector output capacitance	VcB=10V,IE=0,f=1MHz		18		pF

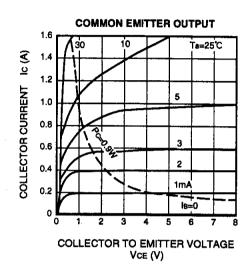
^{* :} It shows her classification in right table.

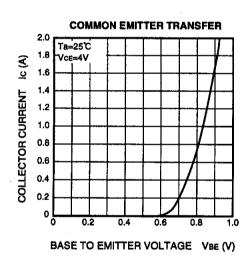
Item	С	D	E
hfe	55 to 110	90 to 180	150 to 300

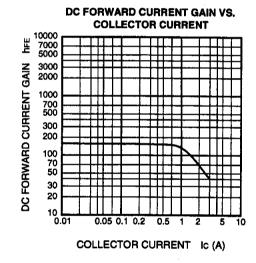
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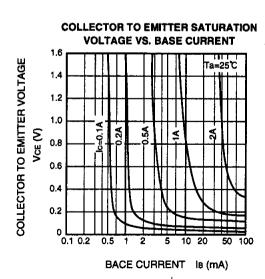
TYPICAL CHARACTERISTICS

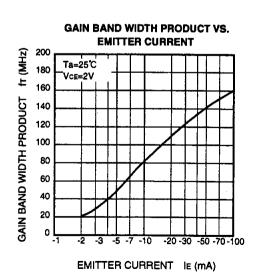






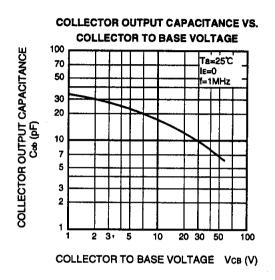


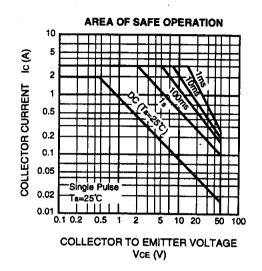




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