FOR HIGH CURRENT DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1363 is a silicon PNP epitaxial type transistor designed with high collector current and high collector dissipation.

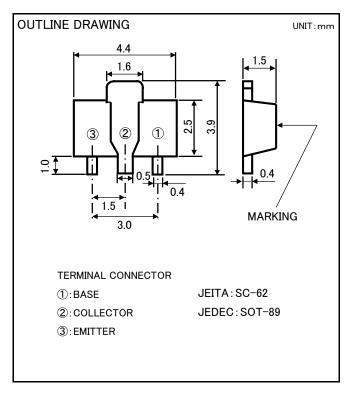
Complementary with 2SC3443.

FEATURE

- ●High hFE hFE=150~800
- High collector current IC=-2A
- Small collector to emitter saturation voltage VCE(sat)=-0.17V type(@IC=-1A/IB=-50mA)
- High collector dissipation PC=500mW
- Small package for easy mounting

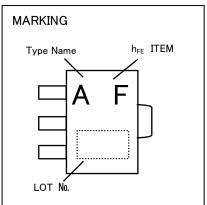
APPLICATION

Small type motor drive for VTR, deck, player, power supply



MAXIMUM RATING(Ta=25°C)

SYMBOL	PARAMETER	RATING	UNIT
V _{CBO}	Collector to Base voltage	-20	٧
V _{EBO}	Emitter to Base voltage	-6	٧
V_{CEO}	Collector to Emitter voltage	-16	٧
Ic	Collector current	-2	Α
I _{CM}	Peak collector current	-3	Α
Pc	Collector dissipation(Ta=25°C)	500	mW
Tj	Junction temperature	+150	°C
T_{stg}	Storage temperature	-55 ~ +150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

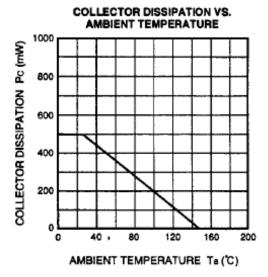
SYMBOL	PARAMETER	TEGT CONDITIONS	LIMITS			LINIT
		TEST CONDITIONS		TYP	MAX	UNIT
V _{(BR)CBO}	C to B breakdown voltage	I _C =-10 μ A, I _E =0mA	-20	-	-	٧
V _{(BR)EBO}	E to B breakdown voltage	$I_E = -10 \mu A, I_C = 0 mA$	-6	-	-	٧
V _{(BR)CEO}	C to E breakdown voltage	$I_C=-2$ mA, $R_{BE}=\infty$	-16	-	-	٧
I _{CBO}	Collector cut off current	V _{CB} =-16V, I _E =0mA	-	-	-0.2	μΑ
I EBO	Emitter cut off current	V _{EB} =-4V, Ic=0mA	-	-	-0.2	μΑ
hfe 💥	DC forward current gain	Vce=-4V, Ic=-100mA	150	-	800	-
V _{CE(sat)}	C to E saturation voltage	Ic=-1A, I _B =-50mA	-	-0.17	-0.3	٧
fT	Gain bandwidth product	V _{CE} =-2V, I _E =10mA	-	80	-	MHz
Cob	Collector output capacitance	V _{CB} =-10V, I _E =0mA, f=1MHz	-	42	_	pF

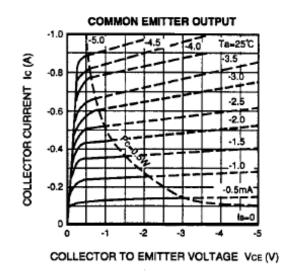
💥) It shows hFE classification at right table.

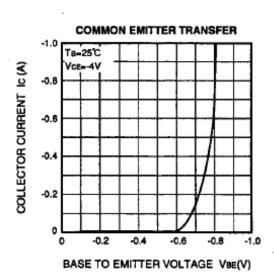
Item	E	F	G
hFE	150~300	250~500	400~800

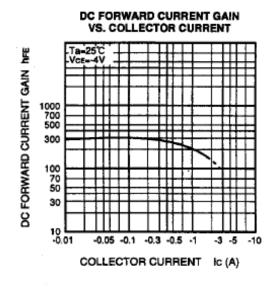
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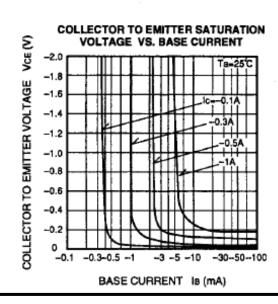
TYPICIAL CHARACTERISTICS

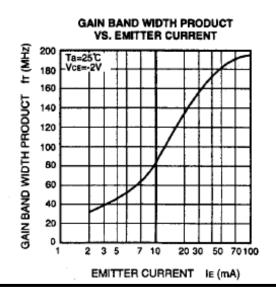


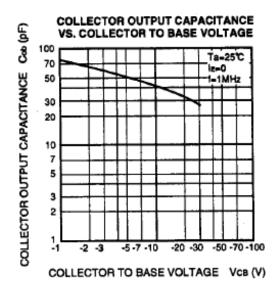












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