FOR HIGH CURRENT DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

### **DESCRIPTION**

2SA1235 is a super mini silicon NPN epitaxial type transistor designed with high collector current, small Vce(sat). Complementary with 2SC3440.

# **FEATURE**

• Low collector to emitter saturation voltage.

VCE(sat)=-0.2V typ

- Excellent linearity of DC forward current gain.
- Super mini package for easy mounting.
- High collector current Icm=-1A
- High gain band width product fT=180MHz typ

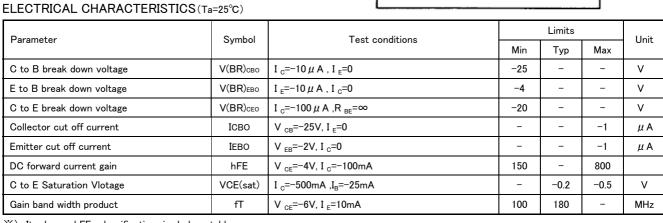
#### **APPLICATION**

Small type motor drive, relay drive, power supply.

#### MAXIMUM RATINGS (Ta=25°C)

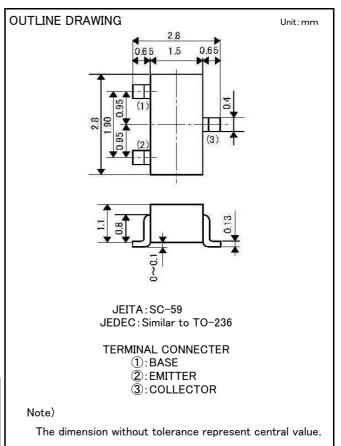
Symbol	Parameter	Ratings	Unit	
V <sub>CBO</sub>	Collector to Base voltage	-25	٧	
$V_{EBO}$	Emitter to Base voltage	-4	٧	
V <sub>CEO</sub>	Collector to Emitter voltage -20		٧	
I <sub>CM</sub>	Peak Collector current	-1	Α	
I c	Collector current	-700	mA	
P <sub>c</sub>	Collector dissipation (Ta=25°C)	200	mW	
		<b>※</b> 350		
T <sub>j</sub>	Junction temperature	+125	°C	
T <sub>stg</sub>	Storage temperature	-55 <b>~</b> +125	ی	

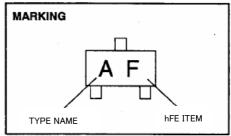
<sup>\*\*</sup>package mounted on substrate.



<sup>※)</sup> It shows hFE classification in below table

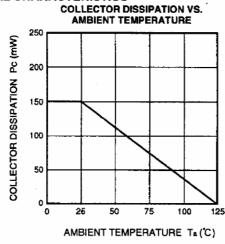
Marking	AE	AF	AG
hFE	150 to 300	250 to 500	400 to 800

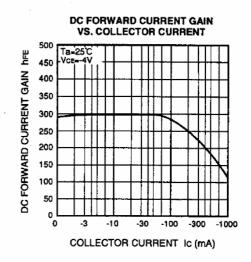


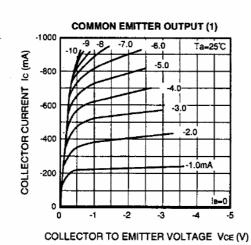


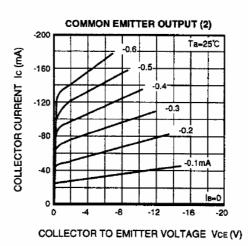
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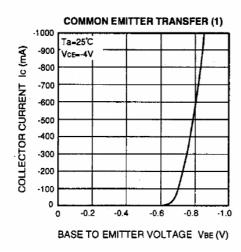


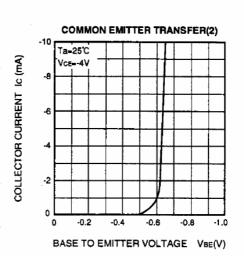














6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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