ISA1286AS1

FOR SMALL TYPE MOTOR, PLUNGER DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

ISA1286AS1 is a silicon PNP epitaxial type transistor. Designed with high collector current and high hFE. Complementary with 2SC5484.

FEATURE

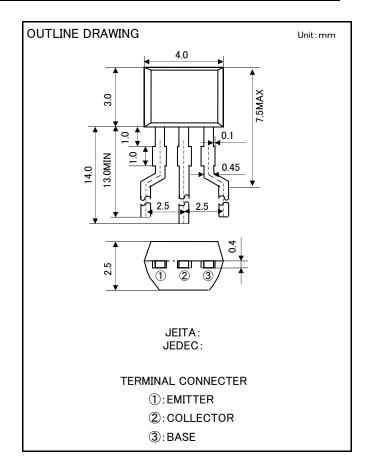
- ●High hFE hFE=400 to 800
- ullet High collector current. ($I_{\rm C}$ =-1.5A, $I_{\rm CM}$ =-3A)
- Low collector to emitter saturation voltage. $V_{\text{CE}}(\text{sat}) \text{=-0.25V} \quad \text{typ}(@I_{\text{C}} \text{=-1A}, I_{\text{B}} \text{=-20mA})$
- High collector dissipation. P_c=600mW

APPLICATION

Small type motor drive plunger for VCR, tape deck, player, drive for relay, etc.

MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter Ratings		Unit
Vсво	Collector to Base voltage	-30 V	
VEBO	Emitter to Base voltage	-6 V	
Vceo	Collector to Emitter voltage	-20	V
I_{C}	Collector current	-1.5	Α
I _{CM}	Peak collector current	-3	Α
Pc	Collector dissipation	600	mW
T_{j}	Junction temperature	+150	ပ္
T_{stg}	Storage temperature	-55 ~ +150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Parameter	Parameter	Test conditions		Limits		
			Min	Тур	Max	Unit
V(BR)cBO	C to B break down voltage	IC=-10 μ A, IE=0mA	-30	_	_	٧
V(BR)EBO	E to B break down voltage	IE=-10 μ A, IC=0mA	-6	_	_	٧
V(BR)CEO	C to E break down voltage	IC=-1mA, RBE=∞	-20	_	_	٧
ICBO	Collector cut off current	VCB=-20V, IE=0mA	_	_	-0.1	μА
IEBO	Emitter cut off current	VEB=-2V, IC=0mA	_	_	-0.1	μΑ
hFE※	DC forward current gain	VCE=-6V, IC=-500mA	400	_	800	_
VCE(sat)	C to E Saturation Voltage	IC=-1A, IB=-20mA	_	-0.25	-0.5	٧
fT	Gain band width product	VCE=-10V, IE=10mA	_	90	_	MHz
Cob	Collector output capacitance	VCB=-10V, IE=0mA, f=1MHz	_	37	_	pF

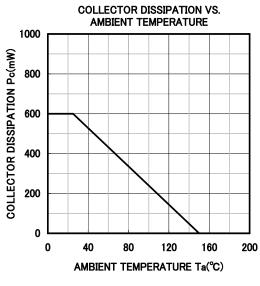
※) It shows hFE classification in right table.

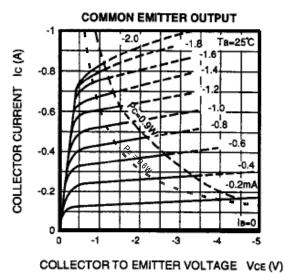
Item	G
hFE	400~800

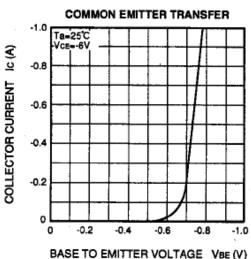
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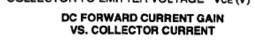
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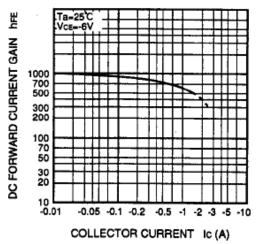
TYPIAL CHARACTERISTICS

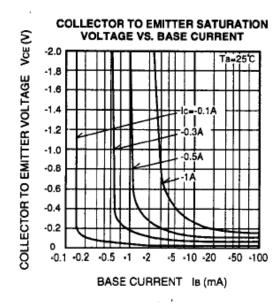


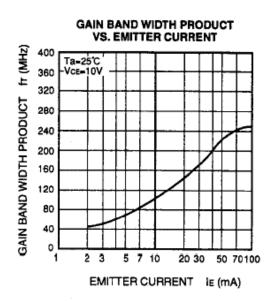






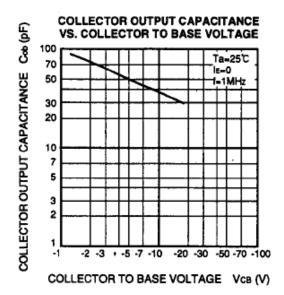






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