ISA1287AS1

FOR RELAY DRIVE, POWOR SUPPLY APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

ISA1287AS1 is a silicon PNP epitaxial type transistor. Designed with high voltage, high collector current, dissipation and high hFE.

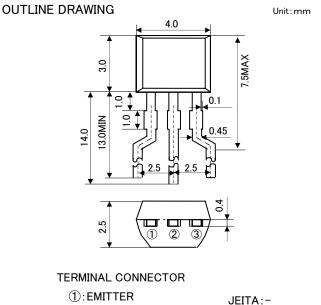
Complementary with ISC3247AS1.

FEATURE

- High hFE hFE=400 to 800
- ●High voltage. V_{CEO}=-50V
- $\blacksquare \mathsf{Low}$ collector to emitter saturation voltage.
 - $V_{CE}(sat)=-0.2V$ (@I_C=-500mA, I_B=-10mA)
- High collector dissipation. $P_c=600 \text{mW}$

APPLICATION

Relay drive or power supply of audio machine, VCR, and other electronic machine.



2:COLLECTOR3:BASE

JEITA:-JEDEC:-

MAXIMUM RATINGS(Ta=25°C)

Symbol	Parameter Ratings		Unit	
Vсво	Collector to Base voltage -50		V	
VEBO	Emitter to Base voltage -6		V	
VCEO	Collector to Emitter voltage	-50	V	
Ic	Collector current	-1	А	
I _{CM}	Peak collector current	-2	А	
P。	Collector dissipation	600	mW	
Tj	Junction temperature	+150	°C	
T _{stg}	Storage temperature	-55~+150	°C	

ELECTRICAL CHARACTERISTICS(Ta=25°C)

Parameter	Parameter	Test conditions		Limits		
		l'est conditions	Min	Тур	Max	Unit
V(BR)CBO	C to B breakdown voltage	IC=-10 μ Α, ΙΕ=0mA	-50	_		V
V(br)ebo	E to B breakdown voltage	IE=-10 μ A, IC=0mA	-6	_		V
V(BR)CEO	C to E breakdown voltage	IC=−1mA, RBE=∞	-50	_	-	V
Ісво	Collector cut off current	VCB=-40V, IE=0mA	—	-	-0.1	μA
IEBO	Emitter cut off current	VEB=-2V, IC=0mA	—	-	-0.1	μA
hFE※	DC forward current gain	VCE=-6V, IC=-100mA	400	_	800	_
VCE(sat)	C to E Saturation Voltage	IC=-500mA, IB=-10mA	—	-0.2	-0.5	V
fT	Gain band width product	VCE=-10V, IE=10mA	—	90	_	MHz
Cob	Collector output capacitance	VCB=-10V, IE=0mA, f=1MHz	_	30		pF

%) It shows hFE classification in right table.

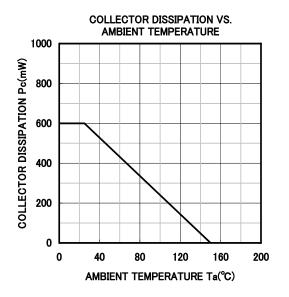
Item	G
hFE	400~800

MARKING Type Name

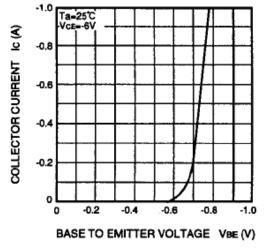
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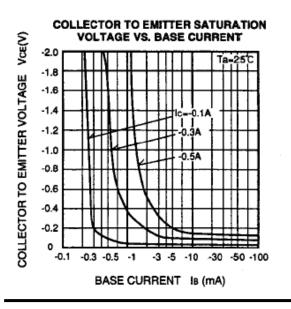
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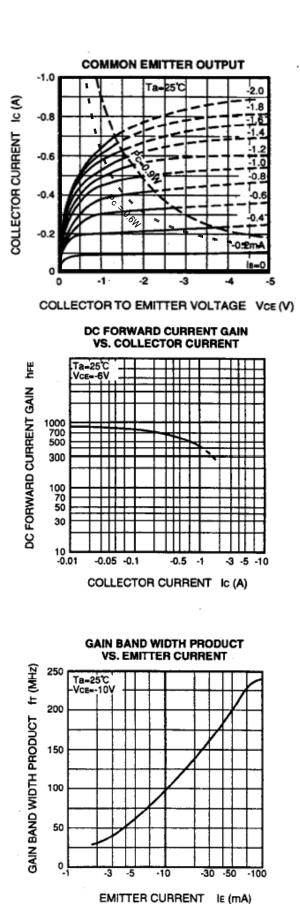
TYPIAL CHARACTERISTICS



COMMON EMITTER TRANSFER



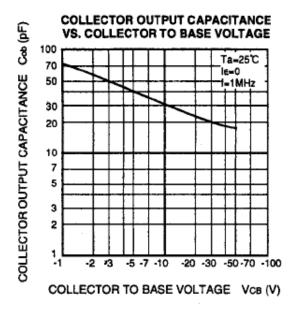




ISAHAYA ELECTRONICS CORPORATION

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