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
- ■Low collector to emitter saturation voltage.

 $V_{CE}(sat) = -0.2V$ (@ $I_{C} = -500$ mA, $I_{B} = -10$ mA)

● High collector dissipation. P_c=600mW

APPLICATION

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

MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit	
Vcво	Collector to Base voltage	ector to Base voltage -50 V		
VEBO	Emitter to Base voltage -6			
VCEO	Collector to Emitter voltage	-50	٧	
$I_{\rm C}$	Collector current	-1	Α	
I _{CM}	Peak collector current	-2	Α	
P _c	Collector dissipation	600	mW	
T_{j}	Junction temperature	+150	ပွ	
T_{stg}	Storage temperature	-55 ~ +150	°C	

JEITA: JEDEC: TERMINAL CONNECTER ①: EMITTER ②: COLLECTOR ③: BASE

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Parameter	Parameter	Test conditions		Limits		
			Min	Тур	Max	Unit
V(BR)cB0	C to B break down voltage	IC=-10 μ A, IE=0mA	-50	_	_	٧
V(BR)EBO	E to B break down voltage	IE=-10 μ A, IC=0mA	-6	_	_	V
V(BR)ceo	C to E break down voltage	IC=-1mA, RBE=∞	-50	_	_	٧
ICBO	Collector cut off current	VCB=-40V, IE=0mA	_	_	-0.1	μΑ
ĪEBO	Emitter cut off current	VEB=-2V, IC=0mA	_	_	-0.1	μΑ
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	٧
fT	Gain band width product	VCE=-10V, IE=10mA	_	90	_	MHz
Cob	Collector output capacitance	VCB=-10V, IE=0mA, f=1MHz	_	30	_	pF

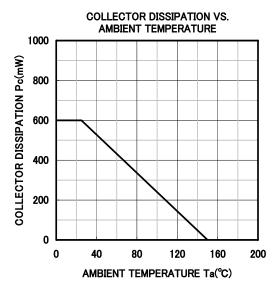
※) It shows hFE classification in right table.

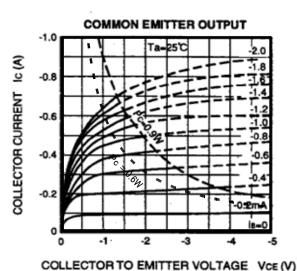
Item	G
hFE	400~800

ISA1287AS1

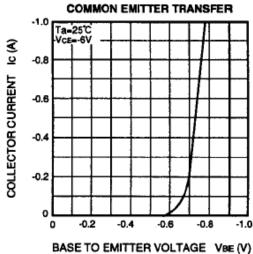
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SILICON PNP EPITAXIAL TYPE

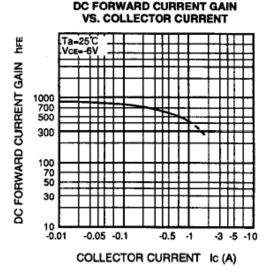
TYPIAL CHARACTERISTICS

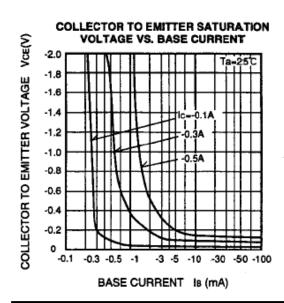


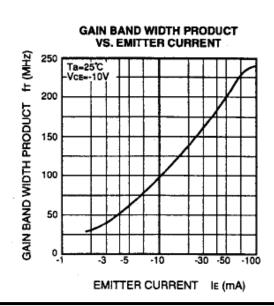






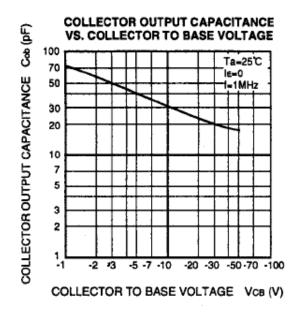






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6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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