PRELIMINARY

DESCLIPTION

FEATURE

APPLICATION

It is designed with high voltage.

·Hige voltage VCEO=300V

Notice : This is not a final specification. Some parametric subject to change.

<SMALL-SIGNAL TRANSISTOR>

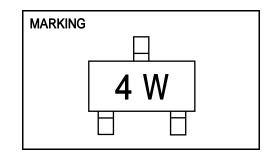
INC6002AC1

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN TRANSISTOR

OUTLINE DRAWING Unit:mm 2.8 INC6002AC1 is a silicon NPN transistor. 1.5 0.65 0.65 ī. 0.4 0.95 (1)2.8 1.9 ·Super mini package for easy mounting. 95 (3) DC/DC convertor, High voltage switching 5 0 ~ 0.1 TERMINAL CONNECTER JEITA: SC-59 (1) BASE JEDEC: Similar toTO-236 (2) EMITTER (3) COLLECTOR

MAXIMUM RATINGS (Ta=25)

Symbol	Parameter	Ratings	Unit	
Vсво	Collector-Base Voltage	300	V	
Vebo	Emitter-Base Voltage	7	V	
VCEO	Collector-Emitter Voltage	300	V	
Ic	Collector Current	50	mA	
Pc	Collector Dissipation	150	mW	
Tj	Junction Temperature	150		
Tstg	Storage Temperature	-55 ~ +150		



ELECTRIC CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			11.27
			Min	Тур	Max	Unit
V(BR)CBO	Collector-Base Breakdown Voltage	Ic=50μA , Iε=0	300	-	-	V
V(BR)EBO	Emitter-Base Breakdown Voltage	IE=50μA , IC=0	5	-	-	V
V(BR)CEO	Collector-Emitter Breakdown Voltage	IC=1mA , RBE=	300	-	-	V
Ісво	Collector Cutoff Current	VCB=300V , IE=0	-	-	0.5	μA
lево	Emitter Cutoff Current	VEB=5V , IC=0	-	-	0.5	μA
hfe	DC Forward Current Gain	VCE=10V , IC=1mA	50	-	305	-
VCE(sat)	Collector-Emitter Saturation Voltage	Ic=10mA , IB=1mA	-	-	1.0	V
fт	Gain Bandwidth Product	VCE=10V, IE=-10mA	-	50	-	MHz
Cob	Collector Output Capacitance	VCB=6V , IE=0 , f=1MHz	-	1.9	-	pF

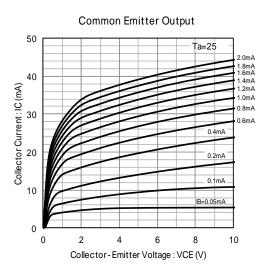
PRELIMINARY

Notice : This is not a final specification. Some parametric subject to change.

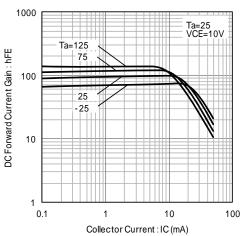
<small-signal transistor> INC6002AC1 FOR LOW FREQUENCY AMPLIFY APPLICATION

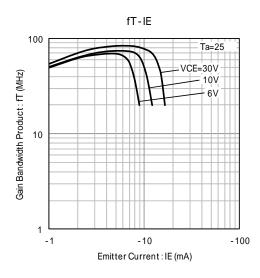
SILICON NPN TRANSISTOR

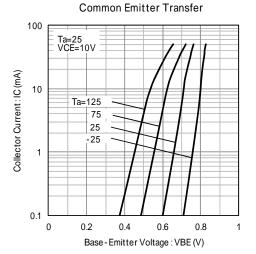
TYPCAL CHARACTERISTICS



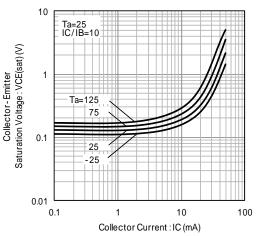




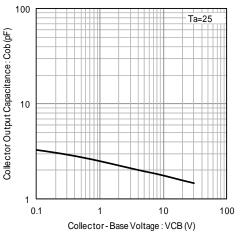












ISAHAYA ELECTRONICS CORPORATION



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

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