ISA2191AT2

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE

www.DataSheet4U.com

DESCRIPTION

ISA2191AT2 is a super mini package resin sealed silicon PNP epitaxial transistor, It is designed for low frequency application.

Since it is a super-thin flat lead type package, a high-density mounting are possible.

FEATURE

- Super-thin flat lead type package. t=0.5mm
- Excellent linearly of DC forward current gain.
- Low collector to emitter saturation voltage VCE(sat)=-0.3V max (@Ic=-100mA/IB=-10mA)

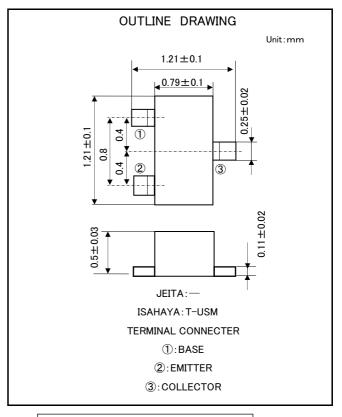
APPLICATION

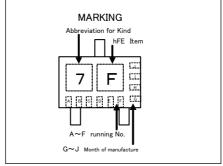
For hybrid IC,small type machine low frequency voltage amplify application

MAXIMUM RATINGS(Ta=25°C)

Symbol	Parameter	Ratings	Unit
VCBO	Collector to Base voltage	-60	V
VEBO	Emitter to Base voltage	-6	V
VCEO	Collector to Emitter voltage	-50	V
IC	Collector current	-150	mA
PC	Collector dissipation	125(※)	mW
Tj	Junction temperature 125		°C
Tstg	Storage temperature	-55 ~ 125	°C

 χ package mounted on 9 × 19 × 1mm glass-epoxy substrate.





電気的特性(Ta=25℃)

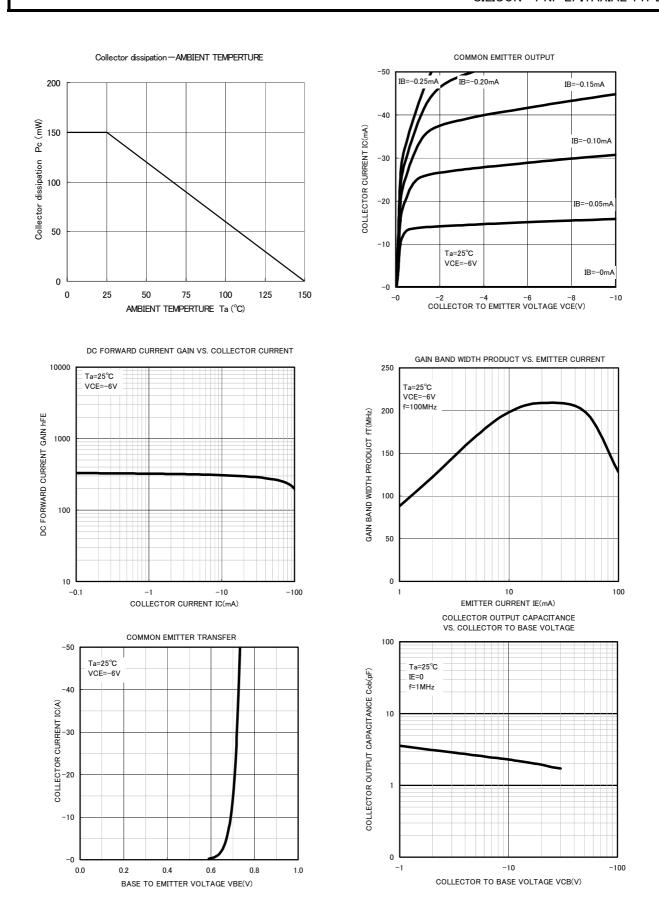
Parameter	Symbol	Test conditions	Limits			Unit
Farameter			Min	Min	Min	Offic
Collector to Emitter Breakdown voltage	V(BR)ceo	I_c =-100 μ A, R $_{BE}$ = ∞	-50	-	ı	٧
Collector cut off current	ICBO	V_{CB} =-60V, I_{E} =0mA	-	-	-0.1	μΑ
Emitter cut off current	IEBO	V_{EB} =-6V, I $_{C}$ =0mA	-	-	-0.1	μΑ
DC forward current gain	hFE*	V_{CE} =-6V, I_{C} =-1mA	150	-	500	-
DC forward current gain	hFE	V_{CE} =-6V, I_{C} =-100 μ A	90	-	-	-
C to E saturation voltage	VCE(sat)	I_{c} =-100mA, I_{B} =-10mA	-	-	-0.3	٧
Gain bandwidth product	fT	V_{CE} =-6V, I_{E} =10mA	-	200	_	MHz
Collector output capacitance	Cob	V_{CB} =-6V, I_{E} =0A, f=1MHz	-	3.0	_	pF

X It shows hFE classification in below table

Item	E	F
hFE	150~300	250~500

ISA2191AT2

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE





Marketing division, Marketing planning department 6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

Keep safety first in your circuit designs!

ISAHAYA Electronics Corporation puts the maximum effort into making semiconductor products better and more reliable, but there is always the possibility that trouble may occur with them. Trouble with semiconductors may lead to personal injury, fire or property damage. Remember to give due consideration to safety when making your circuit designs, with appropriate measures such as (1) placement of substitutive, auxiliary, (2) use of non-farmable material or (3) prevention against any malfunction or mishan.

Notes regarding these materials

- These materials are intended as a reference to our customers in the selection of the ISAHAYA products best suited to the customer's application; they don't convey any license under any intellectual property rights, or any other rights, belonging
- ISAHAYA or third party.

 ISAHAYA or third party.

 ISAHAYA Electronics Corporation assumes no responsibility for any damage, or infringement of any third party's rights, originating in the use of any product data, diagrams, charts or circuit application examples contained in these materials.
- All information contained in these materials, including product data, diagrams and charts, represent information on products at the time of publication of these materials, and are subject to change by ISAHAYA Electronics Corporation without notice due to product improvements or other reasons. It is therefore recommended that customers contact ISAHAYA Electronics Corporation or an authorized ISAHAYA products distributor for the latest product information before purchasing product listed
- ISAHAYA Electronics Corporation products are not designed or manufactured for use in a device or system that is used under circumstances in which human life is potentially at stake. Please contact ISAHAYA electronics corporation or an authorized ISAHAYA products distributor when considering the use of a product contained herein for any specific purposes, such as apparatus or systems for transportation, vehicular, medical, aerospace, nuclear, or undersea repeater use.

 The prior written approval of ISAHAYA Electronics Corporation is necessary to reprint or reproduce in whole or in part these
- If these products or technologies are subject to the Japanese export control restrictions, they must be exported under a license from the Japanese government and cannot be imported into a country other than the approved destination. Any diversion or re-export contrary to the export control laws and regulations of Japan and/or the country of destination is prohibited.

 •Please contact ISAHAYA Electronics Corporation or authorized ISAHAYA products distributor for further details on these
- materials or the products contained therein.