



Micro Commercial Components



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DTA114TE

PNP Digital Transistor

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisure Sensitivity Level 1
Built-in bias resistors enable the configuration of an inverter circuit without connecting external input resistors (see equivalent circuit)
The bias resistors consist of thin-film resistors with complete isolation to allow negative biasing of the input. They also have the advantage of almost completely eliminating parasitic effects
Only the on/off conditions need to be set for operation, making device design easy
Halogen free available upon request by adding suffix "-HF"

Absolute Maximum Ratings

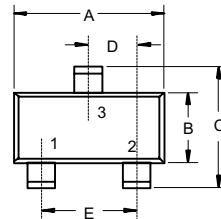
Table with 4 columns: Parameter, Symbol, Value, Unit. Rows include Collector-Base Voltage, Collector-Emitter Voltage, Emitter-Base voltage, Collector Current-Continuous, Collector Dissipation, Junction Temperature Range, Storage Temperature Range.

Electrical Characteristics

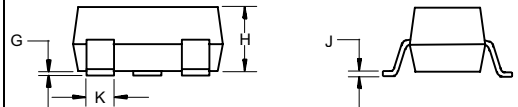
Table with 6 columns: Sym, Parameter, Min, Typ, Max, Unit. Rows include Collector-Base Breakdown Voltage, Collector-Emitter Breakdown Voltage, Emitter-Base Breakdown Voltage, Collector Cut-off Current, Emitter Cut-off Current, DC Current Gain, Collector-Emitter Saturation Voltage, Input Resistor, Transition Frequency.

\*Marking: 94

SOT-523



1. Base
2. Emitter
3. Collector



DIMENSIONS

Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows include dimensions A through K.

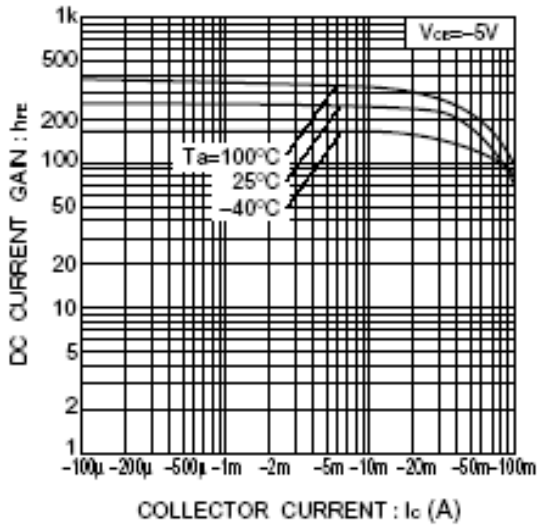


Fig.1 DC current gain vs. collector current

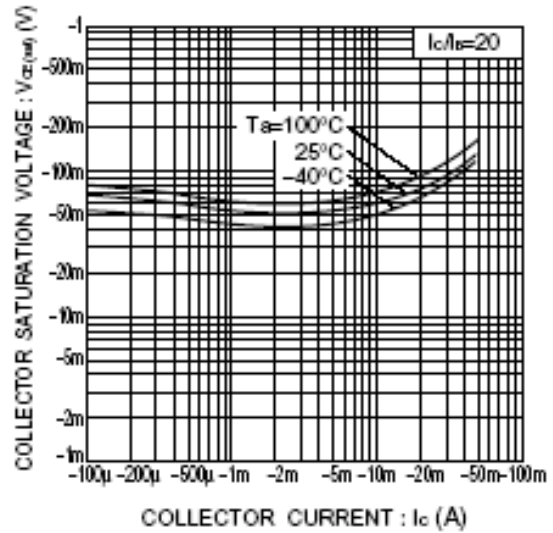
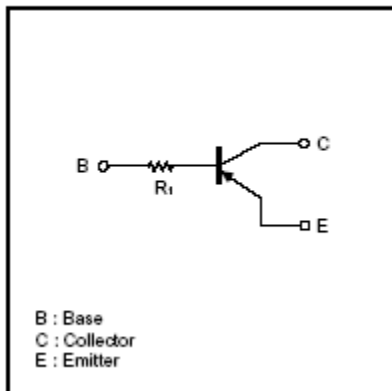


Fig.2 Collector-emitter saturation voltage vs. collector current

●Equivalent circuit





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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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