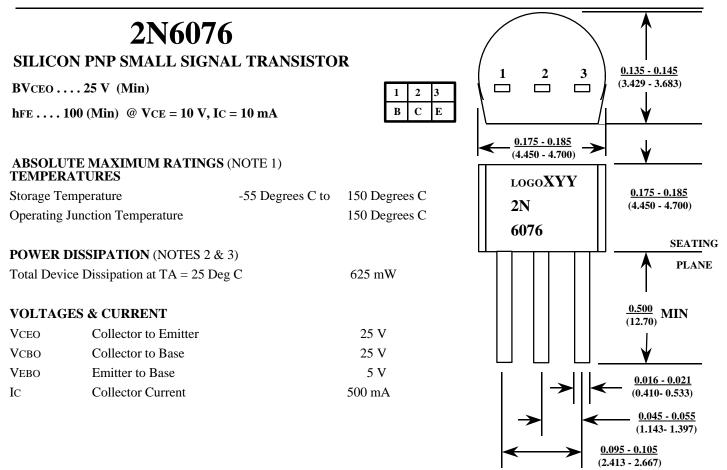
FAIRCHILD

DISCRETE POWER & SIGNAL TECHNOLOGIES



ELECTRICAL CHARACTERISTICS (25 Degrees C Ambient Temperature unless otherwise stated)

SYM	CHARACTERISTICS	MIN	MAX	UNITS	TEST CONDITIONS
Вусво	Collector to Base Voltage	25		V	IC = 100 uA
BVCEO	Collector to Emitter Voltage	25		V	IC = 10 mA
BVEBO	Emitter to Base Voltage	5		V	IE = 10 uA
Ісво	Collector Cutoff Current		100	nA	VCB = 25 V
			10	uA	$VCB = 25 V, T = +100^{\circ}C$
ICES	Collector Cutoff Current		100	nA	$\mathbf{V}\mathbf{C}\mathbf{E}=25\ \mathbf{V}$
Іево	Emitter Cutoff Current		100	uA	$\mathbf{V}\mathbf{E}\mathbf{B}=3.0\ \mathbf{V}$
hfe	DC Current Gain	100	500		$\mathbf{V}\mathbf{C}\mathbf{E} = 10 \ \mathbf{V} \qquad \mathbf{I}\mathbf{C} = 10 \ \mathbf{m}\mathbf{A}$
VCE(sat)	Collector-Emitter Saturation Voltage		0.25	V	IC = 10mA IB = 1.0mA
VBE(sat)	Base-Emitter Saturation Voltage		0.8	V	IC = 10mA IB = 1.0mA
VBE(on)	Base -Emitter On Voltage	0.5	1.2	V	$\mathbf{V}\mathbf{C}\mathbf{E} = 10 \ \mathbf{V} \mathbf{I}\mathbf{C} = 10\mathbf{m}\mathbf{A}$



2N6076

SILICON PNP SMALL SIGNAL TRANSISTOR

ELECTRICAL CHARACTERISTICS Con't (25 Degrees C Ambient Temperature unless otherwise stated)

SYM	CHARACTERISTICS	MIN	MAX	UNITS	TEST CONDITIONS
Ссь	Output Capacitance	1	13	pF	$V_{CB} = 10 V, f = 1 MHz$
hfe	Small Signal Current Gain	100	750		VCE = 10 V, IC=10 mA, f=1KHz

NOTES:

1. These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

2. These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

3. These ratings are based on a maximum junction temperature of 150 degrees C.

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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.
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