

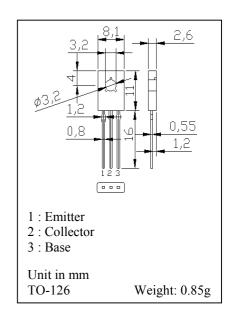
## PNP SILICON POWER TRANSISTOR

...designed for output stage of 3 watts audio amplifier, voltage regulator, DC-DC converter and relay driver.

### MAXIMUM RATINGS (Ta = 25 °C)

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Characteristic	Symbol	Value	Unit		
Collector Base Voltage	Vсво	-40	V		
Collector Emitter Voltage	VCEO	-30	V		
Emitter Base Voltage	VEBO	-5	V		
Collector Current (DC)	IC(DC)	-3	Α		
Collector Current (Pulse)	IC(Pulse)*	-7	Α		
Total Power Dissipation	Ptot		W		
Ta=25°C		1			
Tc=25°C		10			
Storage Temperature	Tstg	-55 ~ 150	°C		
Junction Temperature	Tj	150	°C		
*Dulas Test DM < 250s Duty Cycle < 20	/				

<sup>\*</sup>Pulse Test PW ≤ 350µs, Duty Cycle ≤ 2%

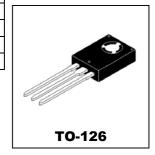


# **ELECTRICAL CHARACTERISTICS (Ta = 25 °C)**

Characteristic	Symbol	Test Condition Min. Typ		Тур.	Max.	Unit
Collector Cutoff Current	Ісво	VCB =-30V, IE =0 -		-	-1	μΑ
Emitter Cutoff Current	ІЕВО	VEB =-3.0V, IC =0	-	-	-1	μΑ
Collector Saturation Voltage	VCE(sat)	Ic =-2.0A, IB =-0.2A**	-	-0.3	-0.5	V
Base Saturation Voltage	VBE(sat)	IC =-2.0A, IB =-0.2A**	-	-1	-2	V
DC Current Gain	hFE1	Vce=-2.0V, Ic=-20mA**	30	220	-	-
DC Current Gain	hFE2	VCE =-2.0V, IC =-1.0A**	60	160	400	-
Gain Bandwidth Product	fт	VCE =-50V, IC =-0.1A -		80	-	MHz
Output Capacitance	Cob	Vcb =-10V, IE =0, f=1.0MHz -		55	-	pF

<sup>\*\*</sup>Pulse Test: PW  $\leq 350 \mu s$ , Duty Cycle  $\leq 2\%$ 

## PNP SILICON POWER TRANSISTOR



### Classification of hFE(2)

Class	R	Q	Р	E
hFE(2)	60 to 120	100 to 200	160 to 320	200 to 400

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