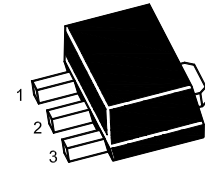


Features

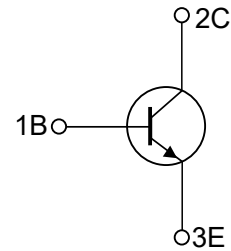
- High current output up to 3A
- Low saturation voltage
- Complement to 2SB772SQ

Applications

These devices are intended for use in audio frequency power amplifier and low speed switching applications



PIN1: Base PIN 2: Collector PIN 3: Emitter



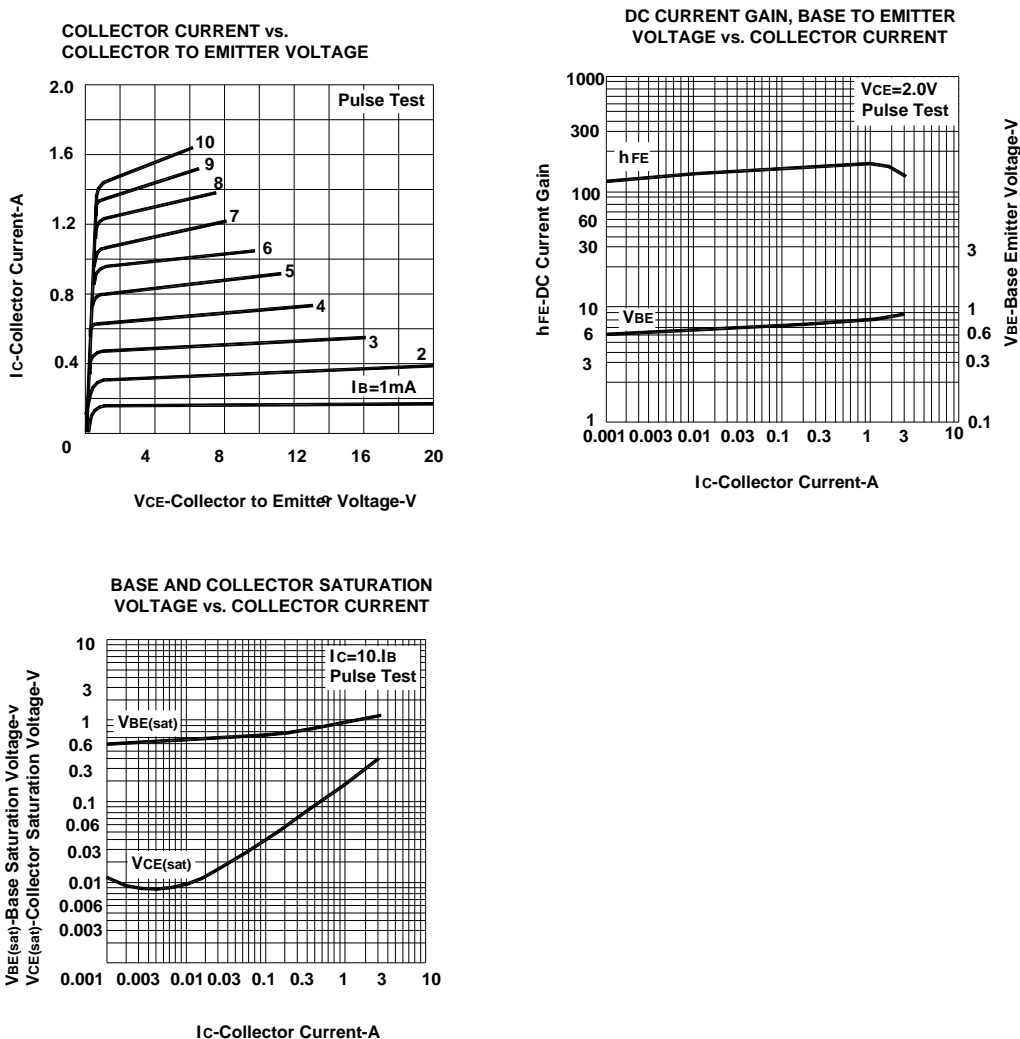
Absolute Maximum Ratings (Ta=25°C unless otherwise specified)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	30	V
Emitter to Base Voltage	V_{EBO}	5	V
Collector Current-Continuous	I_C	3	A
Peak Collector Current	I_{CP}	7	A
Total Power Dissipation	P_D	1	W
Total Power Dissipation	$P_D (T_c=25^\circ\text{C})$	10	W
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	-55~150	°C

Electrical Characteristics (Ta=25°C unless otherwise specified)

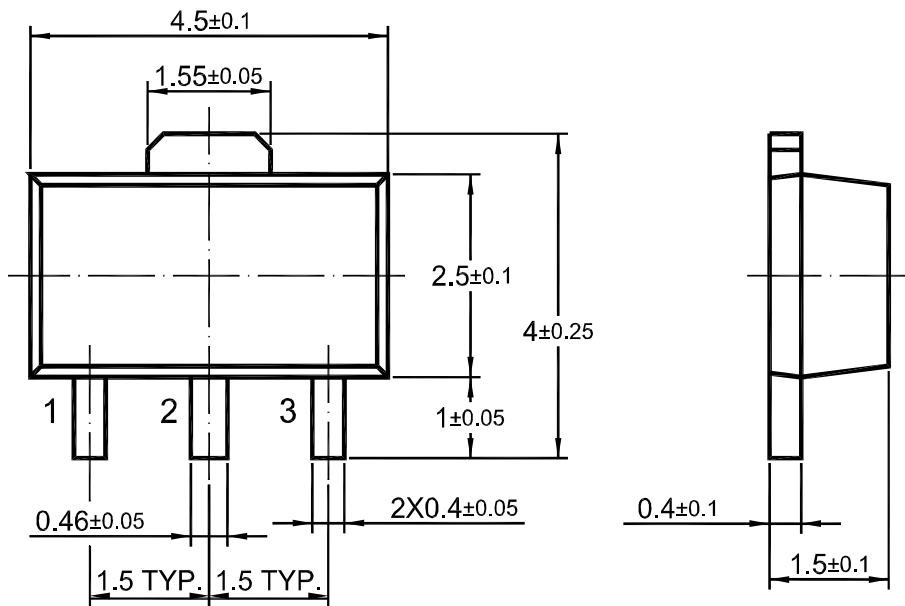
Parameter	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at V _{CE} = 2 V, I _C = 20 mA at V _{CE} = 2 V, I _C = 1 A					
	h _{FE}	30	-	-	-
	h _{FE}	60	-	120	-
	h _{FE}	100	-	200	-
	h _{FE}	160	-	320	-
Current Gain Group	R	60	-	120	-
	Q	100	-	200	-
	P	160	-	320	-
	E	200	-	400	-
Collector Base Cutoff Current at V _{CB} = 30 V	I _{CBO}	-	-	1	μA
Emitter Base Cutoff Current at V _{EB} = 3 V	I _{EBO}	-	-	1	μA
Collector Emitter Saturation Voltage at I _C = 2 A, I _B = 0.2 A	V _{CE(sat)}	-	-	0.5	V
Base Emitter Saturation Voltage at I _C = 2 A, I _B = 0.2 A	V _{BE(sat)}	-	-	2	V
Gain Bandwidth Product at V _{CE} = 5 V, I _C = 0.1 A	f _T	-	90	-	MHz
Output Capacitance at V _{CB} = 10 V, f = 1 MHz	C _{ob}	-	45	-	pF

Typical Characteristic Curves



Package Outline

SOT-89



Ordering information

Device	Package	Shipping
D882	SOT-89	1000PCS

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bipolar Transistors - BJT category](#):

Click to view products by [DOWO manufacturer](#):

Other Similar products are found below :

[619691C](#) [MCH4017-TL-H](#) [MMBT-2369-TR](#) [BC546/116](#) [BC557/116](#) [BSW67A](#) [NJVMJD148T4G](#) [NTE123AP-10](#) [NTE153MCP](#) [NTE16](#)
[NTE195A](#) [NTE92](#) [C4460](#) [2N4401-A](#) [2N6728](#) [2SA1419T-TD-H](#) [2SA2126-E](#) [2SB1204S-TL-E](#) [2SC2712S-GR,LF](#) [2SC5488A-TL-H](#)
[2SD2150T100R](#) [SP000011176](#) [2N2907A](#) [2N3904-NS](#) [2N5769](#) [2SC2412KT146S](#) [2SD1816S-TL-E](#) [CPH6501-TL-E](#) [MCH4021-TL-E](#)
[MJE340](#) [US6T6TR](#) [NJL0281DG](#) [732314D](#) [CPH3121-TL-E](#) [CPH6021-TL-H](#) [873787E](#) [IMZ2AT108](#) [UMX21NTR](#) [MCH6102-TL-E](#)
[NJL0302DG](#) [2N3583](#) [30A02MH-TL-E](#) [NSV40301MZ4T1G](#) [NTE13](#) [NTE26](#) [NTE282](#) [NTE323](#) [NTE350](#) [NTE81](#) [STX83003-AP](#)