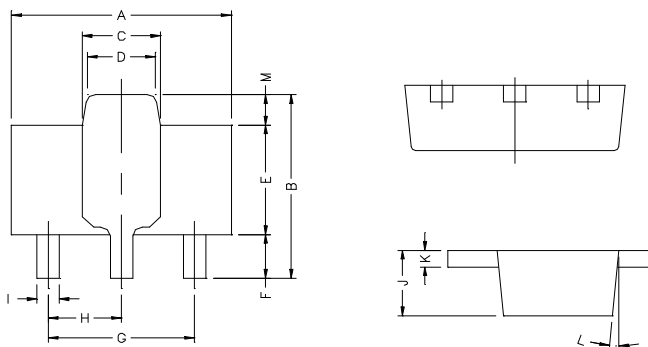


RoHS Compliant Product

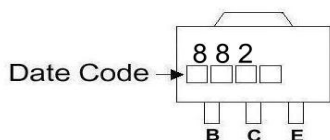
SOT-89

Description

The BCP882 is suited for the output stage of 1.5W audio, voltage regulator, and relay driver.



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.4	4.6	G	3.00	REF.
B	4.05	4.25	H	1.50	REF.
C	1.50	1.70	I	0.40	0.52
D	1.30	1.50	J	1.40	1.60
E	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5° TYP.	
			M	0.70 REF.	

Absolute Maximum Ratings at TA=25°C

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	40	V
V _{CEO}	Collector-Emitter Voltage	30	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current	3	A
P _D	Total Power Dissipation	1.2	W
T _J , T _{stg}	Junction and Storage Temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS Tamb=25°C unless otherwise specified

Parameter	Symbol	Min	Typ.	Max	Unit	Test Conditions
Collector-Base Breakdown Voltage	BV _{CBO}	40	-	-	V	I _C =100μA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	30	-	-	V	I _C = 1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	5	-	-	V	I _E = 10μA
Collector-Base Cutoff Current	I _{CBO}	-	-	1	uA	V _{CB} = 30V
Emitter-Base Cutoff Current	I _{EBO}	-	-	1	uA	V _{EB} =3V
Collector Saturation Voltage	V _{CE(sat)}	-	-	0.5	V	I _C =2A, I _B =0.2A
Base-Emitter Saturation Voltage	V _{BE(sat)}	-	-	2	V	I _C =2A, I _B =0.2A
DC Current Gain	h _{FE1}	30	-	-		V _{CE} = 2V, I _C =20mA
	h _{FE2}	100	-	500		V _{CE} = 2V, I _C =1A
Gain-Bandwidth Product	f _T	-	90	-	MHz	V _{CE} = 5V, I _C = 0.1A, f=100MHz
Output Capacitance	C _{ob}	-	45	-	pF	V _{CB} =10V, f=1MHz, I _E =0

Classification of hFE

Rank	Q	P	E
Range	100~200	160~320	250~500

Characteristics Curve

