

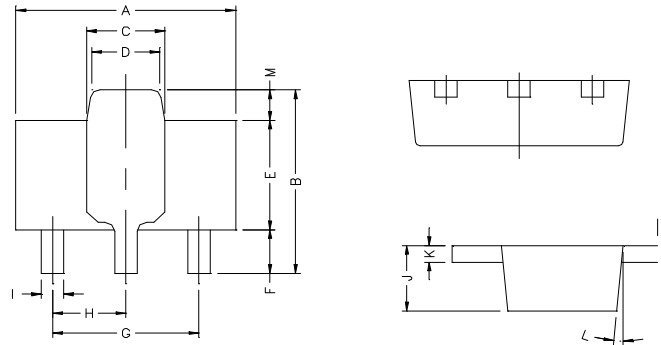
RoHS Compliant Product

Description

The 2SD1898 is designed for switching applications.

SOT-89

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

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	100	V
Collector to Emitter Voltage	VCEO	80	V
Emitter to Base Voltage	VEBO	5.0	V
Collector Current	IC	1	A
	ICP (Single pulse Pw=20ms)	2	A
Total Power Dissipation	PD	500	mW

Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	100	-	-	V	IC=50uA
BVCEO	80	-	-	V	IC=1mA
BVEBO	5	-	-	V	IE=50uA
ICBO	-	-	1	uA	VCB=80V
IEBO	-	-	1	uA	VEB=4V
VCE(sat)	-	-	400	mV	IC=500mA, IB=20mA
hFE	82	-	390		VCE=3V, IC=500mA
fT		100	-	MHZ	VCE=10V, IC=50mA, f=100MHZ
Cob	-	25	-	pF	VCB=10V, IE=0, f=1MHz

Classification Of hFE

Rank	P	Q	R
hFE	82-180	120-270	180-390

Characteristics Curve

