

SPTECH Product Specification

SPTECH Silicon NPN Power Transistor

2SC3907

DESCRIPTION

- Collector-Emitter Breakdown Voltage:
: $V_{(BR)CE0} = 180V(\text{Min})$
- Good Linearity of h_{FE}
- Complement to Type 2SA1516

APPLICATIONS

- Power amplifier applications
- Recommend for 80W high fidelity audio frequency amplifier output stage applications

ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CB0}	Collector-Base Voltage	180	V
V_{CE0}	Collector-Emitter Voltage	180	V
V_{EB0}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	12	A
I_B	Base Current-Continuous	1.2	A
P_C	Collector Power Dissipation @ $T_c = 25^\circ\text{C}$	130	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$

