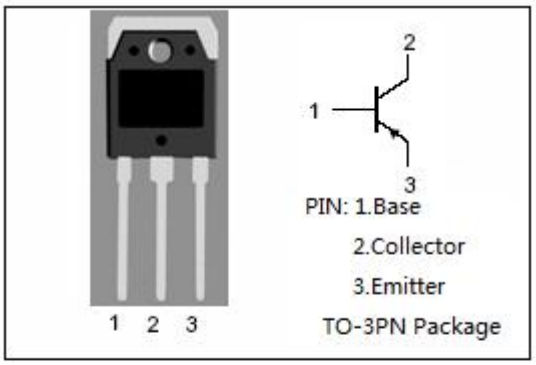
SPTECH Silicon PNP Power Transistor

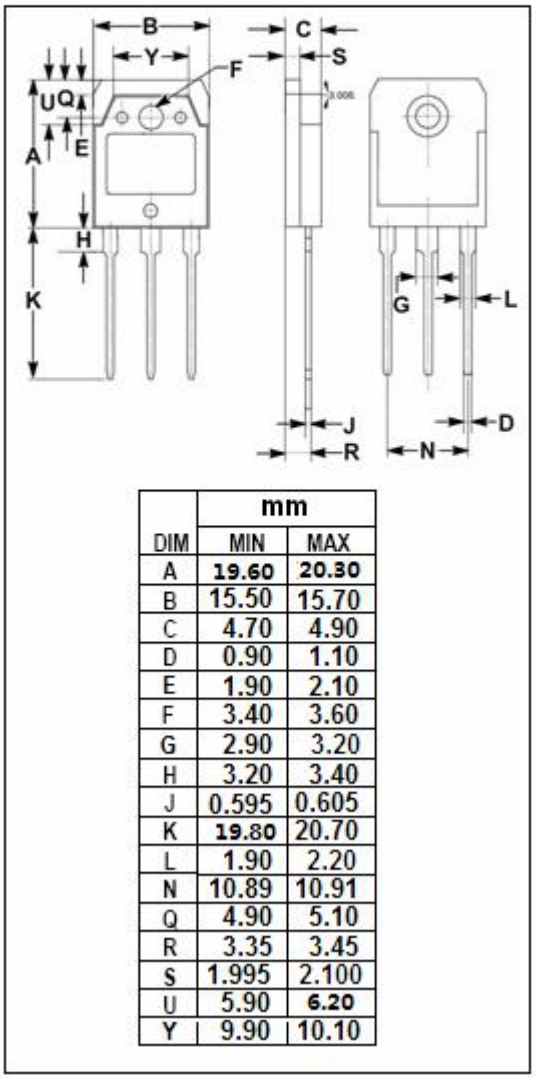
DESCRIPTION

- Collector-Emitter Breakdown Voltage-
  $V_{(BR)CEO}$= -115V(Min)
- Good Linearity of h_{FE}
- Complement to Type 2SC2681



APPLICATIONS

- Audio frequency power amplifier
- High frequency power amplifier



DIM	mm MIN	mm MAX
A	19.60	20.30
B	15.50	15.70
C	4.70	4.90
D	0.90	1.10
E	1.90	2.10
F	3.40	3.60
G	2.90	3.20
H	3.20	3.40
J	0.595	0.605
K	19.80	20.70
L	1.90	2.20
N	10.89	10.91
Q	4.90	5.10
R	3.35	3.45
S	1.995	2.100
U	5.90	6.20
Y	9.90	10.10

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-115	V
V_{CEO}	Collector-Emitter Voltage	-115	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-10	A
I_{CM}	Collector Current-Peak	-15	A
P_C	Collector Power Dissipation @ T_a=25℃	2.0	W
	Collector Power Dissipation @ T_C=25℃	100	
T_J	Junction Temperature	150	℃
T_{stg}	Storage Temperature Range	-55~150	℃

SPTECH Silicon PNP Power Transistor

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	I_C= -4.5A; I_B= -0.45A			-1.5	V
$V_{BE(on)}$	Base-Emitter On Voltage	I_C= -4.5A; V_{CE}= -2V			-2.0	V
I_{CBO}	Collector Cutoff Current	V_{CB}= -80V; I_E= 0			-50	μA
I_{EBO}	Emitter Cutoff Current	V_{EB}= -5V; I_C= 0			-50	μA
h_{FE-1}	DC Current Gain	I_C= -1A; V_{CE}= -2V	60		200	
h_{FE-2}	DC Current Gain	I_C= -4.5A; V_{CE}= -2V	40			
C_{OB}	Output Capacitance	I_E= 0; V_{CB}= -10V; f= 1.0MHz		390		pF
f_T	Current-Gain—Bandwidth Product	I_C= -1A; V_{CE}= -2V		90		MHz

◆ **h_{FE-1} Classifications**

R	Q
60-120	100-200