2 62 84 (P) 2 62 86, 2 62 87 (P P)

B n n e ena S c n P e Ta n

-
-
-
-

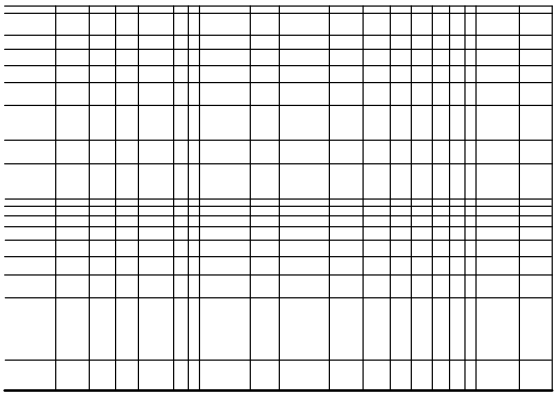
(Note 1)

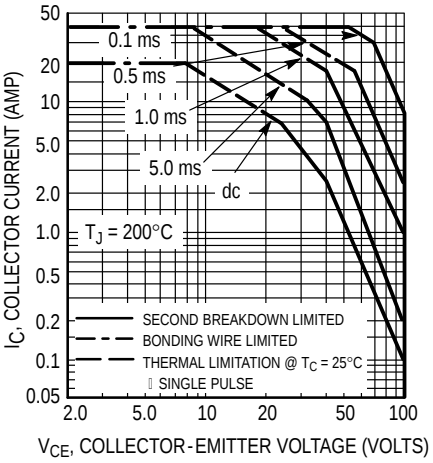
Collector Emitter Voltage 2N6286 2N6284/87	V_{CEO}	 80 100	Vdc
Collector Base Voltage 2N6286 2N6284/87	V_{CB}	 80 100	Vdc
Emitter Base Voltage	V_{EB}	5.0	Vdc
Collector Current Continuous Peak	I_C	20 40	Adc
Base Current	I_B	0.5	Adc
Total Power Dissipation @ T_C = 25°C Derate above 25°C	P_D	160 0.915	W W/°C
Operating and Storage Temperature Range	T_J, T_{stg}	65 to +200	°C

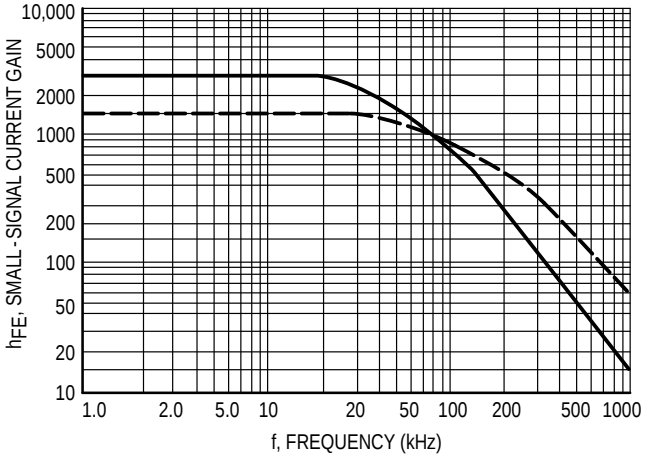
(Note 1)

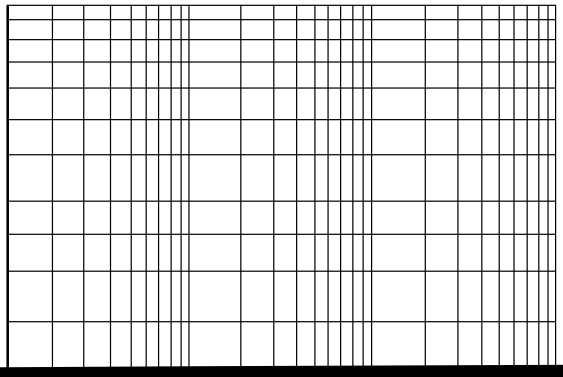
Thermal Resistance, Junction to Case	$R_{\theta JC}$	1.09	

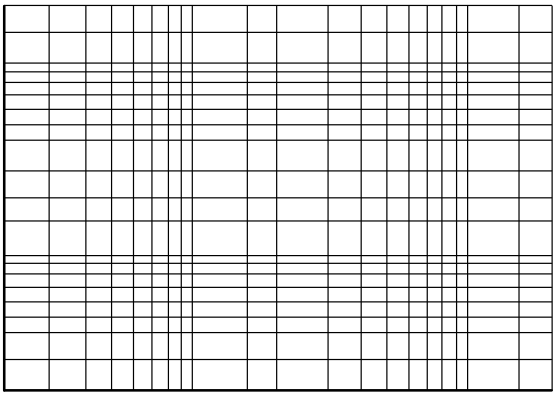
Publication Order Number:



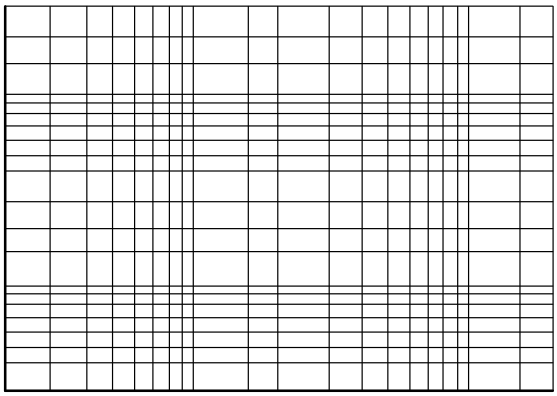

50
20
10
5.0
2.0
1.0
0.5
0.2
0.1
0.05
0.1 ms
0.5 ms
1.0 ms
5.0 ms
dc
T_J = 200°C
SECOND BREAKDOWN LIMITED
BONDING WIRE LIMITED
THERMAL LIMITATION @ T_C = 25°C
SINGLE PULSE
2.0
5.0
10
20
50
100
I_C, COLLECTOR CURRENT (AMP)
V_{CE}, COLLECTOR-EMITTER VOLTAGE (VOLTS)

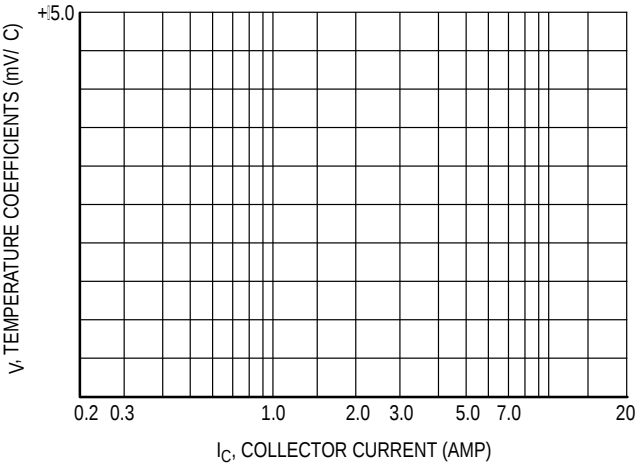

10,000
5000
2000
1000
500
200
100
50
20
10
1.0
2.0
5.0
10
20
50
100
200
500
1000
h_{FE}, SMALL-SIGNAL CURRENT GAIN
f, FREQUENCY (kHz)

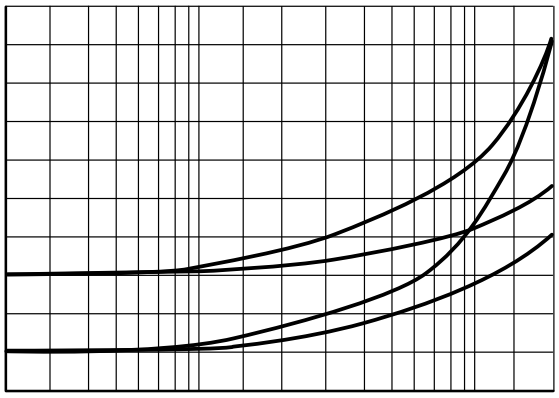


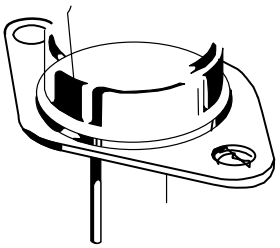


I_C, COLLECTOR CURRENT (AMP)




+5.0
V_T, TEMPERATURE COEFFICIENTS (mV/ C)
0.2
0.3
1.0
2.0
3.0
5.0
7.0
20
I_C, COLLECTOR CURRENT (AMP)





SCALE 1:1

CASE 1−07