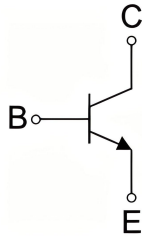


FEATURE

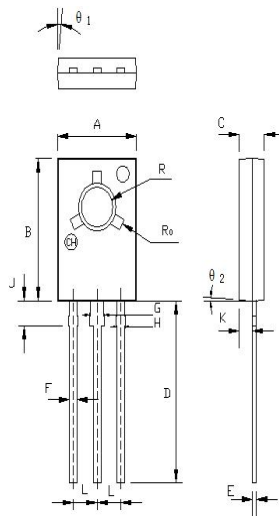
Power Dissipation



1. EMITTER
2. COLLECTOR
3. BASE



TO-18



产品主要外形尺寸(mm)

	最小值	参考值	最大值
A	7.4	7.6	7.8
B	10.5	10.75	10.9
C	2.3	2.4	2.5
D	13.2	13.5	13.8
E	0.35	0.4	0.5
F	0.7	0.76	0.82
G	1.25		1.45
H	0.75		0.9
J	1.8		2.2
K	1.15	1.25	1.35
L	2.1	2.29	2.5
R(最小端)	1.45	1.5	1.65
R ₀		5.5	
θ 1		5°	
θ 2		3°	

Dimensions in inches and (millimeters)

ABSOLUTE MAXIMUM RATINGS(TA=25°C,unless otherwise specified)

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V _{CBO}	40	V
Collector-Emitter Voltage	V _{CEO}	30	
Emitter-Base Voltage	V _{EBO}	6	
Collector Current -Continuous	I _C	3	A
Collector Current -Pulsed	P _D	1.25	W
Thermal Resistance, Junction to Ambient	R _{θJA}	100	°C/W
Operation Junction and Storage Temperature Range	T _J , T _{stg}	-55-150	°C

D882P

ELECTRICAL CHARACTERISTICS(TA=25°C,unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYPE	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = 100\mu A, I_E = 0$	40			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = 10mA, I_B = 0$	30			
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = 100\mu A, I_C = 0$	6			
Collector cut-off current	I_{CBO}	$V_{CB} = 40V, I_E = 0$			1	μA
Collector cut-off current	I_{CEO}	$V_{CE} = 30V, I_B = 0$			10	
Emitter cut-off current	I_{EBO}	$V_{EB} = 6V, I_C = 0$			1	
DC current gain	h_{FE}	$V_{CE} = 2V, I_C = 1A$	60		400	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = 2A, I_B = 0.2A$			0.5	V
Base-emitter saturation voltage	$V_{BE(sat)}$				1.5	
Transition frequency	f_T	$V_{CE} = 5V, I_C = 0.1A, f = 10MHz$	50	80		MHz

CLASSIFICATION OF h_{FE}

RANK	R	O	P	GR
RANGE	60-120	100-200	160-320	200-400

RATING AND CHARACTERISTIC CURVES (D882P)

