

深圳建扬技术有限公司

样品承认书



项目名称: TC-33215 / TC-33216

样品名称: TWGMC 台湾迪嘉

样品规格: BC807-40 SOT-23

物料编码: 46BC80750

日期: 2023 年 5 月 23 号

供应商	制定	审核	批准
	詹雅倩	林吟华	钟广帆
建 扬	资材核准	研发核准	品质核准
	周俊娟		

1. 此样品承认书一式三份（含样品），其他情况以通知为准；
2. 承认书一经签署即按此承认标准做货，不得更改；

供应商名称 深圳市瑞利昇科技有限公司

电话 TEL 0755-83255665 多线

地 址 深圳市福田区振华路 122 号海外装饰大厦 A 座 6 楼

厂商资历: ☐ IS09001 ☐ IS014001 ☐ 其他

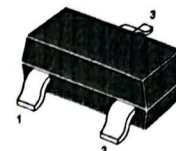
送样履历: ☐ 首次送样 ☐ 二次送样 ☐ 三次送样

BC807 TRANSISTOR(PNP)

FEATURES

- Ideally Suited for Automatic Insertion
- Epitaxial Planar Die Construction
- For Switching, AF Driver and Amplifier Applications
- Complementary NPN Types Available (BC817)

SOT-23



1. BASE
2. EMITTER
3. COLLECTOR

MARKING:BC807-16:5A
BC807-25:5B
BC807-40:5C

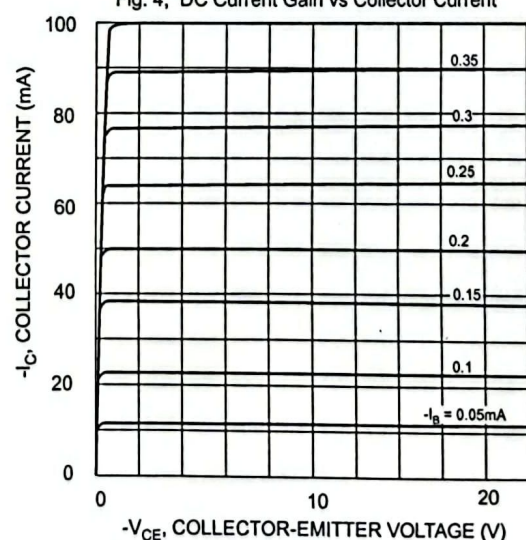
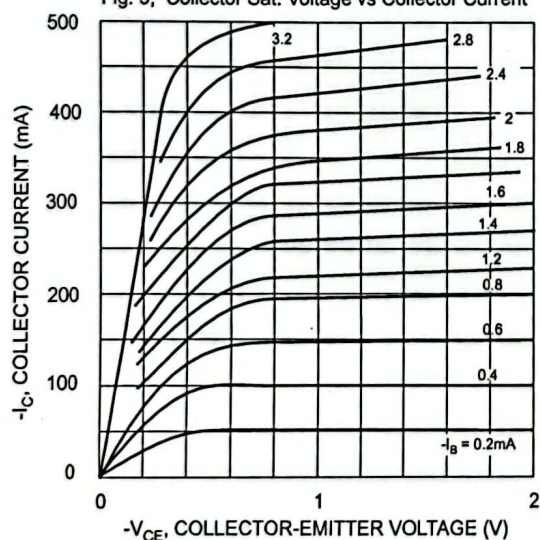
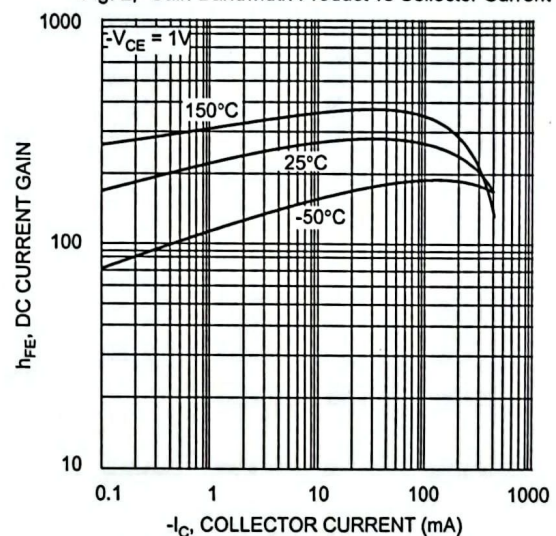
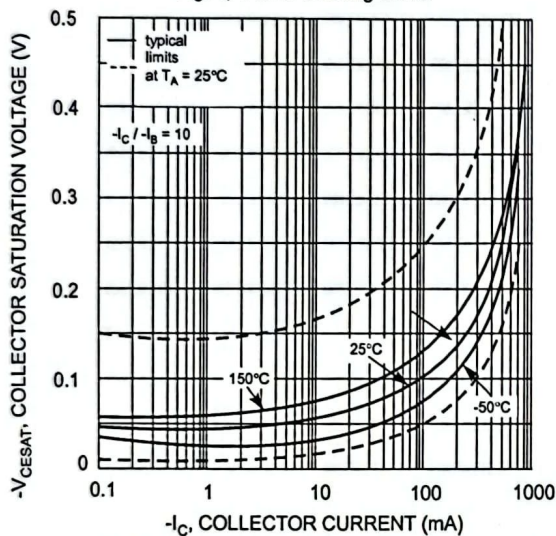
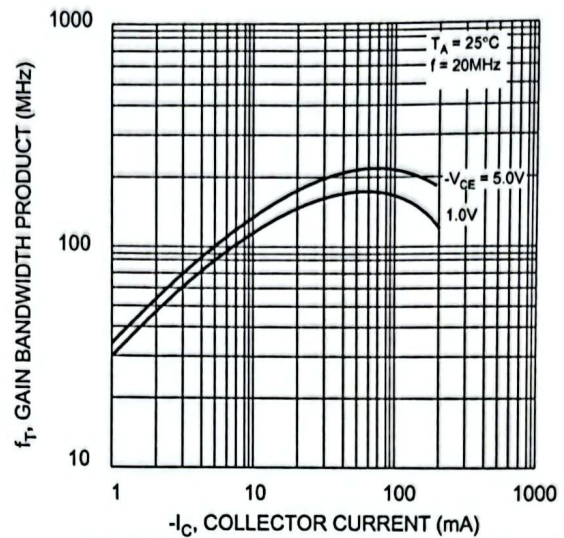
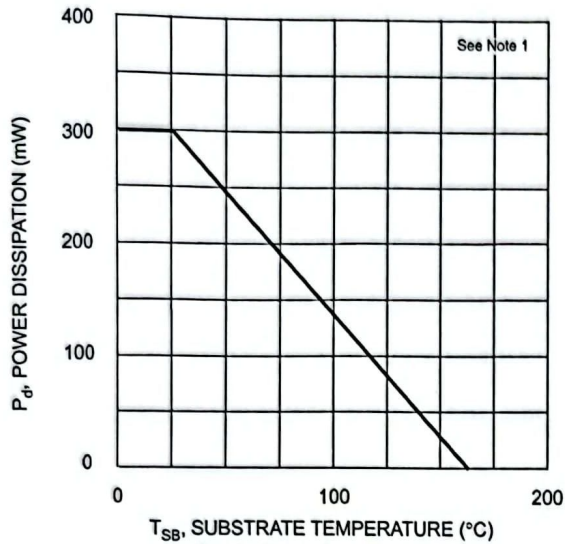
MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Units
V_{CBO}	Collector-Base Voltage	-50	V
V_{CEO}	Collector-Emitter Voltage	-45	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current -Continuous	-0.5	A
P_C	Collector Power Dissipation	0.3	W
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature	-55-150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Collector-base breakdown voltage	V_{CBO}	$I_C = -10\mu A, I_E = 0$	-50		V
Collector-emitter breakdown voltage	V_{CEO}	$I_C = -10mA, I_B = 0$	-45		V
Emitter-base breakdown voltage	V_{EBO}	$I_E = -1\mu A, I_C = 0$	-5		V
Collector cut-off current	I_{CBO}	$V_{CB} = -45V, I_E = 0$		-0.1	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = -4V, I_C = 0$		-0.1	μA
DC current gain	$h_{FE(1)}$	$V_{CE} = -1V, I_C = -100mA$	100 160 250	250 400 600	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500mA, I_B = -50mA$		-0.7	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -500mA, I_B = -50mA$		-1.2	V
Transition frequency	f_T	$V_{CE} = -5V, I_C = -10mA$ $f = 100MHz$	100		MHz

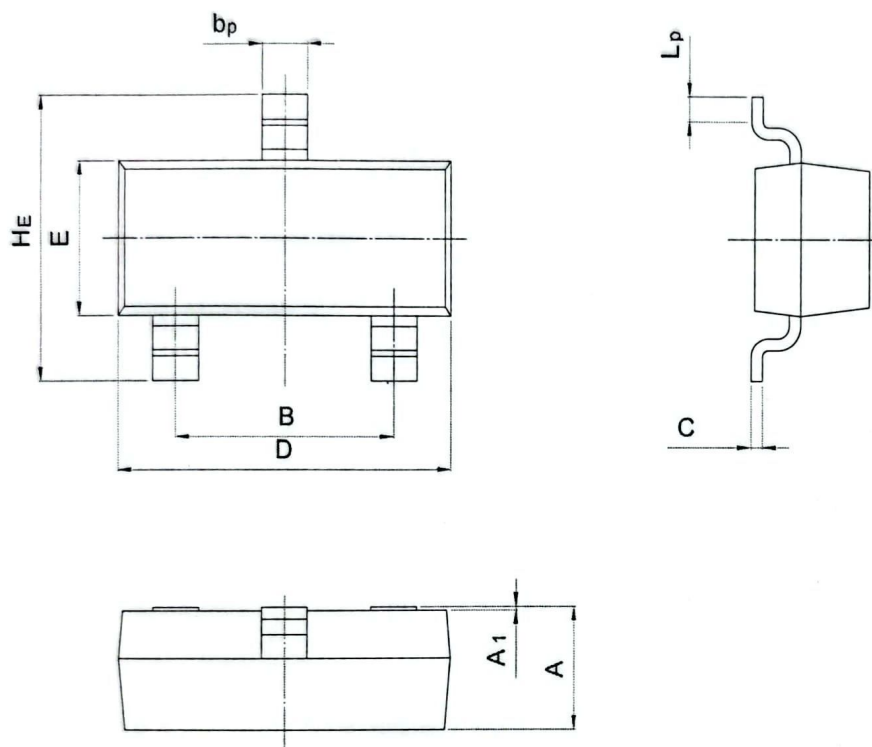
TYPICAL CHARACTERISTICS



PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

SOT-23



UNIT	A	B	b _p	C	D	E	H _E	A ₁	L _p
mm	1.40 0.95	2.04 1.78	0.50 0.35	0.19 0.08	3.10 2.70	1.65 1.20	3.00 2.20	0.100 0.013	0.50 0.20