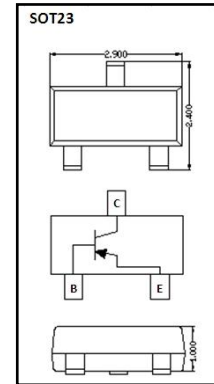


DATA SHEET

BC807 TRANSISTOR (PNP)

- ◇ Capable of 300mWatts of Power Dissipation and 500mA I_c
- ◇ Operating and Storage Junction Temperatures: -55°C to 150°C
- ◇ Surface Mount SOT-23 Package
- ◇ RoHS compliant / Green EMC



MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CB0}	Collector-Base Voltage	-50	V
V_{CE0}	Collector-Emitter Voltage	-45	V
V_{EB0}	Emitter-Base Voltage	-5	V
I_c	Collector Current	-500	mA
P_c	Collector Power Dissipation	300	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	417	$^{\circ}\text{C}/\text{W}$
T_j	Junction Temperature	150	$^{\circ}\text{C}$
T_{STG}	Storage Temperature	$-55 \sim +150$	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS @ 25°C UNLESS OTHERWISE SPECIFIED

Symbol	Parameter	Test Conditions	Min	Max	Units
V_{CE0}	Collector-Emitter Breakdown Voltage	$I_c=-10\text{mA}$, $I_B=0$	-45		V
V_{CB0}	Collector-Base Breakdown Voltage	$I_c=-10\mu\text{A}$, $I_E=0$	-50		V
V_{EB0}	Emitter-Base Breakdown Voltage	$I_E=-10\mu\text{A}$, $I_c=0$	-5.0		V
I_{CB0}	Collector Cutoff Current	$V_{CB}=-45\text{V}$, $I_E=0\text{V}$		-100	nA
I_{CE0}	Collector Cutoff Current	$V_{CE}=-40\text{V}$, $I_E=0\text{V}$		-200	nA
I_{EB0}	Collector Cutoff Current	$V_{EB}=-4\text{V}$, $V_{BE}=0\text{V}$		-100	nA

$h_{FE(1)}$	DC Current Gain*	($I_C=-100mA, V_{CE}=-1V$) BC807-16 BC807-25 BC807-40	100 160 250	250 400 600	
$h_{FE(2)}$	DC Current Gain*	($I_C=-500mA, V_{CE}=-1V$)	40		
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C=-500mA, I_B=-50mA$		0.7	
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C=-500mA, I_B=-50mA$		1.2	V
f_T	Current Gain-Bandwidth Product	$I_C=-10mA, V_{CE}=-5.0V, f=100MHz$	100		MHZ

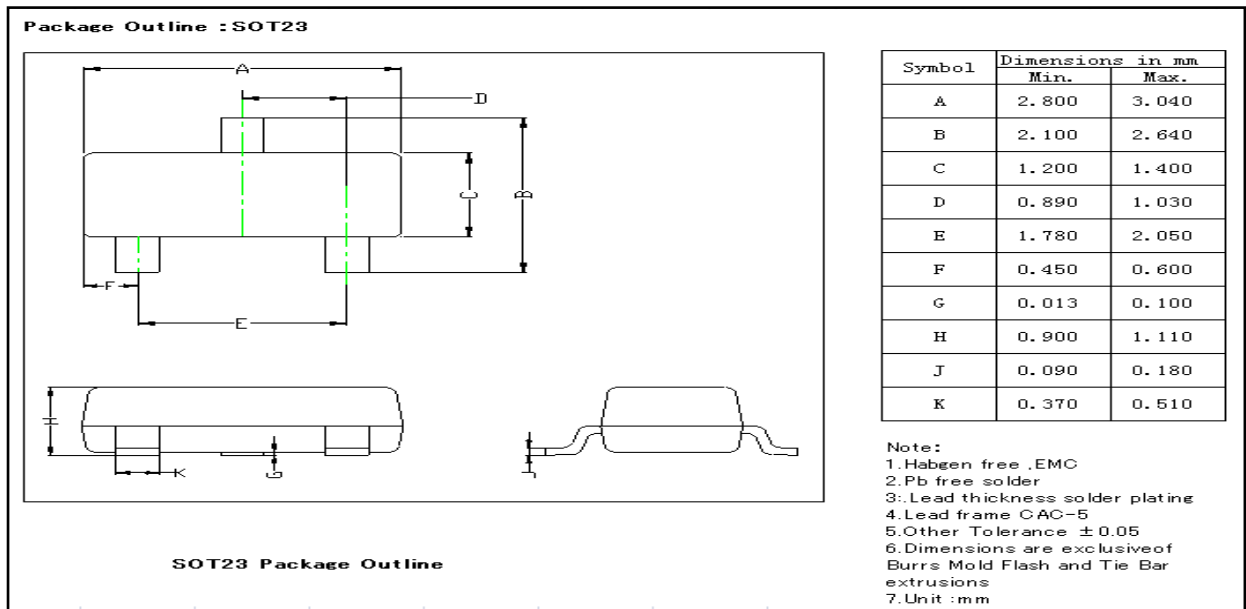
CLASSIFICATION OF h_{fe}

Rank	BC807-16	BC807-25	BC807-40
Range	100-250	160-400	250-600
Marking	5A	5B	5C

ORDERING INFORMATION

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
BC807	SOT23	Tape & Reel 3000pcs /7" Reel	8mm	4mm	Conductive	

PACKAGE DIMENSIONS



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bipolar Transistors - BJT category](#):

Click to view products by [amsem manufacturer](#):

Other Similar products are found below :

[BC559C](#) [MCH4017-TL-H](#) [MMBT-2369-TR](#) [BC546/116](#) [NJVMJD148T4G](#) [NTE16](#) [NTE195A](#) [IMX9T110](#) [2N4401-A](#) [2N6728](#) [2SA1419T-TD-H](#) [2SB1204S-TL-E](#) [2SC5488A-TL-H](#) [FMC5AT148](#) [2N2369ADCSM](#) [2N2907A](#) [2N3904-NS](#) [2N5769](#) [2SC4618TLN](#) [CPH6501-TL-E](#) [US6T6TR](#) [BAX18/A52R](#) [BC556/112](#) [IMZ2AT108](#) [MMST8098T146](#) [MCH6102-TL-E](#) [BC846B-13-F](#) [2N3879](#) [30A02MH-TL-E](#) [NTE13](#) [NTE282](#) [NTE323](#) [NTE350](#) [NTE81](#) [JANTX2N2920L](#) [JANSR2N2907AUB](#) [CMLT3946EG TR](#) [SNSS40600CF8T1G](#) [CMLT3906EG TR](#) [GRP-DATA-JANS2N2907AUB](#) [GRP-DATA-JANS2N2222AUA](#) [MMDT3946FL3-7](#) [2N4240](#) [JANS2N3019](#) [MSB30KH-13](#) [2N2221AUB](#) [2SD1815T-TL-E](#) [2N6678](#) [2N2907Ae4](#) [JAN2N3507](#)