

SOT-23 Plastic-Encapsulate Transistors

TRANSISTOR (NPN)

FEATURES

Complimentary to SS8550

MARKING: Y1

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



Symbol (符号)	Parameter (参数名称)	Value (额定值)	Units (单位)
VCBO	Collector-Base Voltage (集电极-基极电压)	40	V
VCEO	Collector-Emitter Voltage (集电极-发射极电压)	25	V
VEBO	Emitter-Base Voltage (发射极-基极电压)	5	V
IC	Collector Current -Continuous (集电极电流)	1.5	A
PC	Collector Power Dissipation (耗散功率)	0.625	W
Tj	Junction Temperature (结温)	150	°C
Tstg	Storage Temperature (储存温度)	-55-150	°C

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

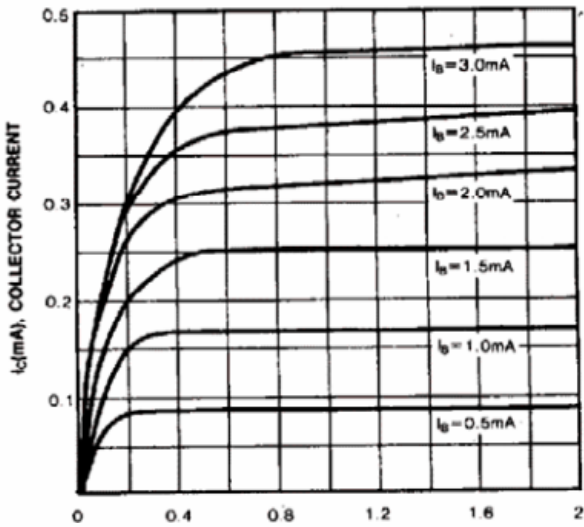
Parameter (参数名称)	Symbol (符号)	Test conditions (测试条件)	MIN (最小值)	TYP (典型值)	MAX (最大值)	UNIT (单位)
Collector-base breakdown voltage 集电极-基极击穿电压	V(BR)CBO	IC= 100μA, IE=0	40			V
Collector-emitter breakdown voltage 集电极-发射极击穿电压	V(BR)CEO	IC= 1mA, IB=0	25			V
Emitter-base breakdown voltage 发射极-基极击穿电压	V(BR)EBO	IE=100μA, IC=0	5			V
Collector cut-off current 集电极-基极截止电流	ICBO	VCB=20 V, IE=0			1	μA
Collector cut-off current 集电极-发射极截止电流	ICEO	VCE=15V, IB=0			10	μA
Emitter cut-off current 发射极-基极截止电流	IEBO	VEB=5V, IC=0			1	μA
DC current gain 直流电流增益	hFE	VCE=1V, IC= 100mA	80		400	
Collector-emitter saturation voltage 集电极-发射极饱和压降	VCE(sat)	IC=800mA, IB= 80mA			0.5	V
Base-emitter saturation voltage 发射极-基极饱和压降	VBE(sat)	IC=800mA, IB= 80mA			1.2	V

CLASSIFICATION OF hFE

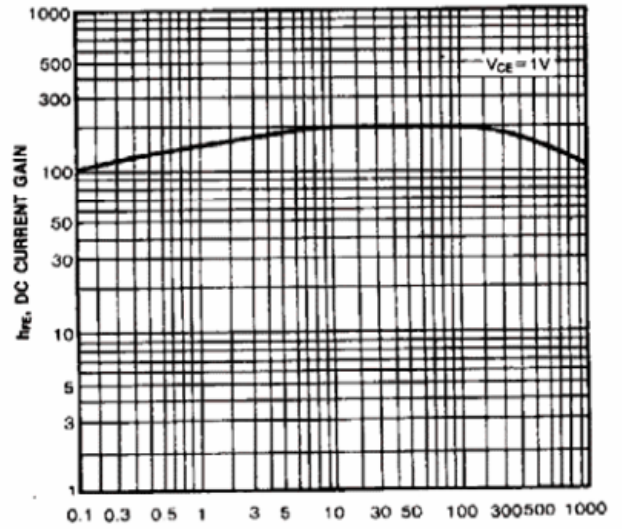
Range	80-100	100-200	200-400	400-600

Typical Characteristics

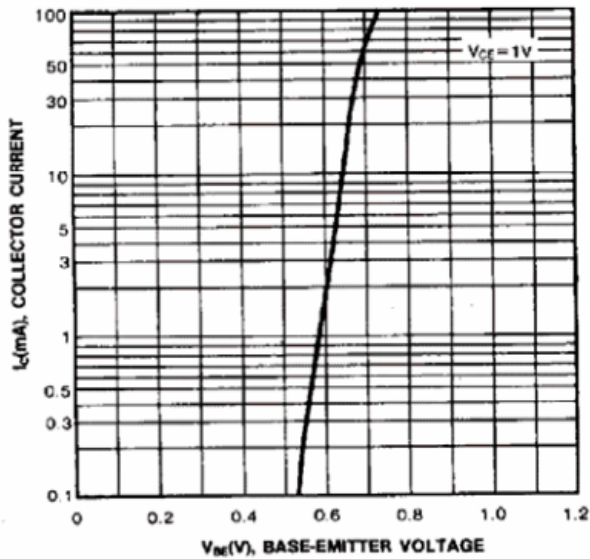
STATIC CHARACTERISTIC



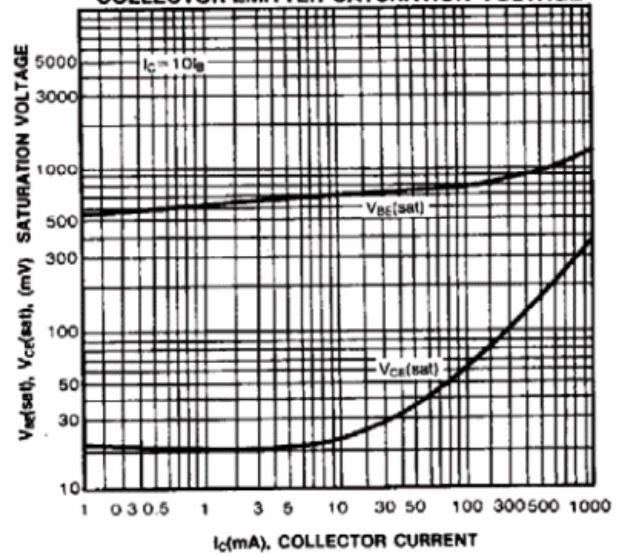
DC CURRENT GAIN



BASE-EMITTER ON VOLTAGE



BASE-EMITTER SATURATION VOLTAGE
 COLLECTOR-EMITTER SATURATION VOLTAGE



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 [WPMtek manufacturer](#):

Other Similar products are found below :

[619691C](#) [MCH4017-TL-H](#) [MMBT-2369-TR](#) [BC546/116](#) [BC557/116](#) [BSW67A](#) [NJVMJD148T4G](#) [NTE123AP-10](#) [NTE153MCP](#) [NTE16](#)
[NTE195A](#) [NTE92](#) [C4460](#) [2N4401-A](#) [2N6728](#) [2SA1419T-TD-H](#) [2SA2126-E](#) [2SB1204S-TL-E](#) [2SC2712S-GR,LF](#) [2SC4731T-AY](#)
[2SC5488A-TL-H](#) [2SD2150T100R](#) [SP000011176](#) [2N2907A](#) [2N3904-NS](#) [2N5769](#) [2SC2412KT146S](#) [2SD1816S-TL-E](#) [CPH6501-TL-E](#)
[MCH4021-TL-E](#) [MJE340](#) [US6T6TR](#) [NJL0281DG](#) [732314D](#) [CPH3121-TL-E](#) [CPH6021-TL-H](#) [SZT1010T1G](#) [873787E](#) [IMZ2AT108](#)
[UMX21NTR](#) [MCH6102-TL-E](#) [NJL0302DG](#) [2N3583](#) [30A02MH-TL-E](#) [NSV40301MZ4T1G](#) [NTE13](#) [NTE26](#) [NTE282](#) [NTE323](#) [NTE350](#)