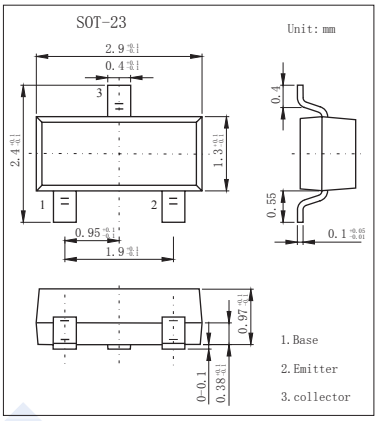
NPN Transistors

2SC1623



Features

- High DC Current Gain:

  h_{FE} = 200 TYP.

  V_{CE} = 6.0 V, I_C = 1.0 mA

- High Voltage:

  $V_{CE\ O}$ = 50 V

Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector to base voltage	V_{CBO}	60	V
Collector to emitter voltage	V_{CEO}	50	V
Emitter to base voltage	V_{EBO}	5	V
Collector current (DC)	I_C	100	mA
Collector power dissipation	P_C	200	mW
Junction temperature	T_j	150	℃
Storage temperature range	T_{stg}	-55 to +150	℃

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector cutoff current	I_{CBO}	V_{CB} = 60V, I_E=0			0.1	μA
Emitter cutoff current	I_{EBO}	V_{EB} = 5V, I_C=0			0.1	μA
DC current gain *	h_{FE}	V_{CE} = 6V , I_C = 1mA	90	200	600	
Collector-emitter saturation voltage *	$V_{CE(sat)}$	I_C = 100mA , I_B = 10mA		0.15	0.3	V
Base-emitter saturation voltage *	$V_{BE(sat)}$	I_C = 100mA , I_B = 10mA		0.86	1	V
Base-emitter voltage *	V_{BE}	V_{CE} = 6V , I_C = 1mA	0.55	0.62	0.65	V
Output capacitance	C_{ob}	V_{CB} = 6V , I_E = 0 , f = 1.0MHz		3.0		pF
Transiton Frequency	f_T	V_{CE} = 6V , I_E = -10mA		250		MHz

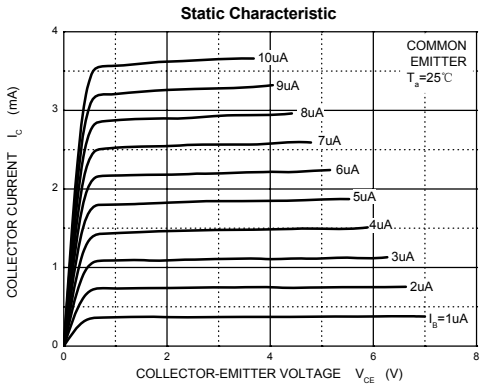
*. PW≤350 us, duty cycle ≤2%

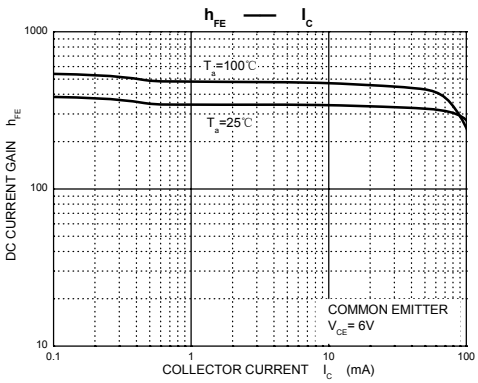
h_{FE} Classification

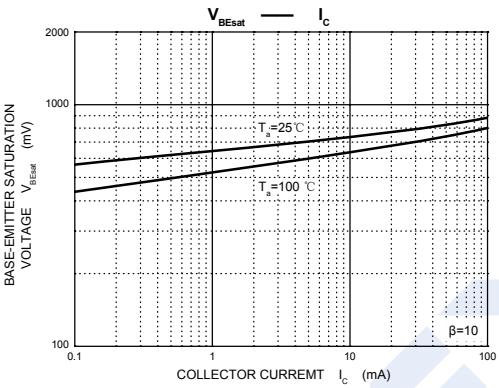
Marking	L4	L5	L6	L7
hFE	90 to 180	135 to 270	200 to 400	300 to 600

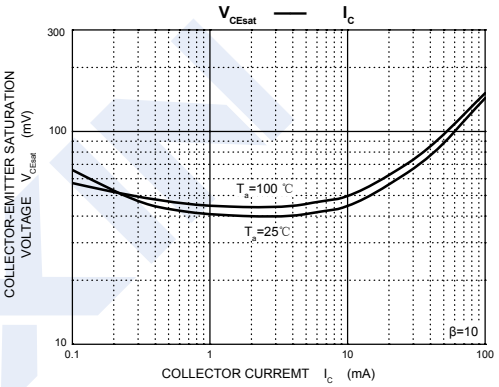
2SC1623

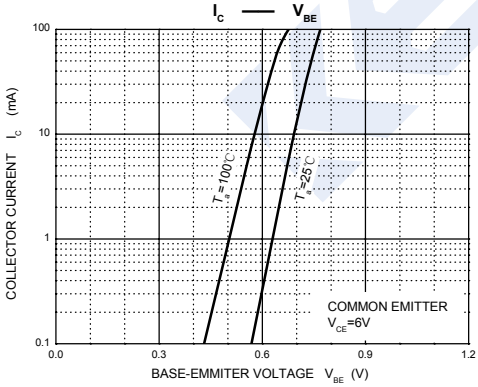
■ Typical Characteristics

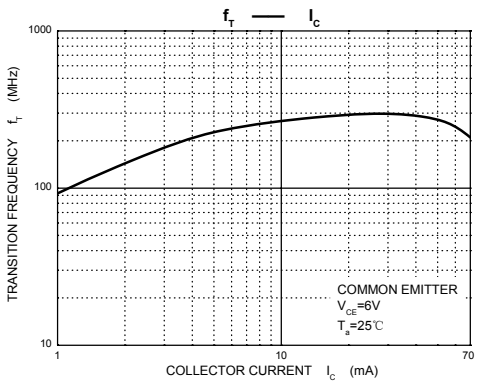


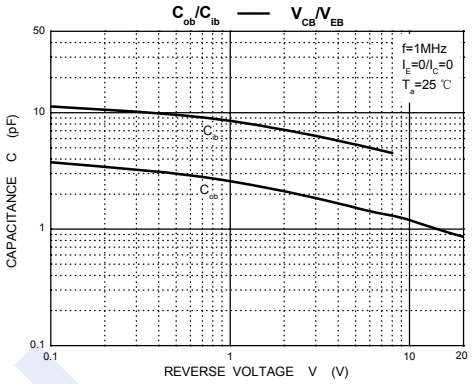


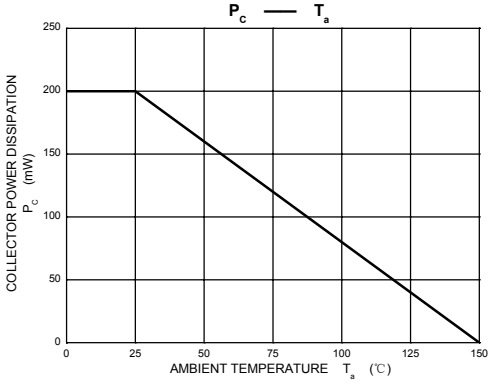












X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bipolar Transistors - BJT ***category:***

Click to view products by KEXIN ***manufacturer:***

Other Similar products are found below :

619691C MCH4017-TL-H MJ15024/WS MJ15025/WS BC546/116 BC556/FSC BC557/116 BSW67A HN7G01FU-A(T5L,F,T NJVMJD148T4G NSVMMBT6520LT1G NTE187A NTE195A NTE2302 NTE2330 NTE2353 NTE316 IMX9T110 NTE63 NTE65 C4460 SBC846BLT3G 2SA1419T-TD-H 2SA1721-O(TE85L,F) 2SA1727TLP 2SA2126-E 2SB1202T-TL-E 2SB1204S-TL-E 2SC5488A-TL-H 2SD2150T100R SP000011176 FMC5AT148 2N2369ADCSM 2SB1202S-TL-E 2SC2412KT146S 2SC4618TLN 2SC5490A-TL-H 2SD1816S-TL-E 2SD1816T-TL-E CMXT2207 TR CPH6501-TL-E MCH4021-TL-E BC557B TTC012(Q) BULD128DT4 JANTX2N3810 Jantx2N5416 US6T6TR KSF350 068071B