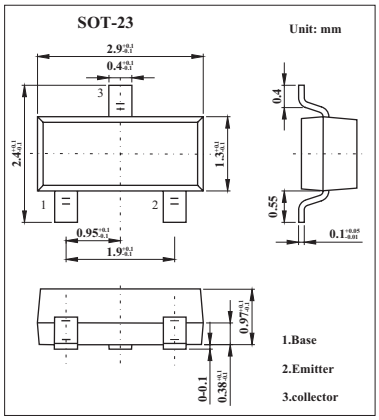
PNP Transistors

KMBT5401(MMBT5401)



■ Features

- High Voltage Transistors
- Pb-Free Packages are Available

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	-160	V
Collector-emitter voltage	V_{CEO}	-150	V
Emitter-base voltage	V_{EBO}	-5	V
Collector current-continuous	I_C	-0.6	A
Collector Power Dissipation	Pc	300	mW
Junction and storage temperature	T_J, T_{stg}	-55 to +150	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector-base breakdown voltage	V_{CBO}	I_C = -100 μA, I_E = 0	-160			V
Collector-emitter breakdown voltage *	V_{CEO}	I_C =- 1.0 mA, I_B = 0	-150			V
Emitter-base breakdown voltage	V_{EBO}	I_E = -10 μA, I_C = 0	-5			V
Collector cutoff current	I_{CBO}	V_{CB} =- 120 V, I_E = 0			-0.1	μA
Emitter cutoff current	I_{EBO}	V_{EB} = -4.0 V, I_C = 0			-0.1	μA
DC current gain *	h_{FE}	I_C = -1.0 mA, V_{CE} = -5 V	80			
		I_C = -10 mA, V_{CE} = -5 V	100		300	
		I_C = -50 mA, V_{CE} = -5 V	50			
Collector-emitter saturation voltage *	$V_{CE(sat)}$	I_C = -50 mA, I_B = -5.0 mA			-0.5	V
Base-emitter saturation voltage *	$V_{BE(sat)}$	I_C = -50 mA, I_B = -5.0 mA			-1.0	V
Transiston frequency	f_T	V_{CE}=-5V,I_C=-10mA,f=30MHz	100			MHz

* Pulse Test: Pulse Width = 300 μs, Duty Cycle=2.0%.

■ Marking

Marking	2L

KMBT5401(MMBT5401)

■ Typical Characteristics

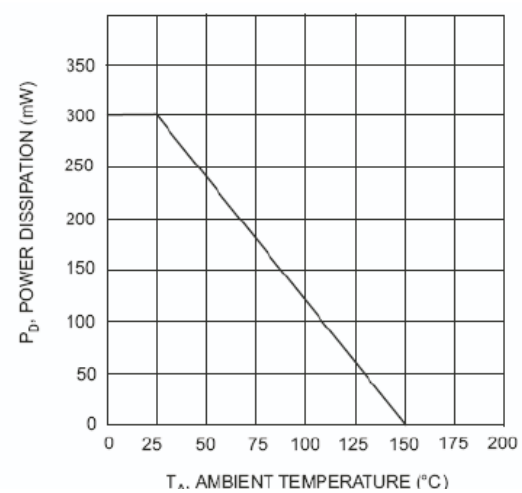


Fig.1 Max Power Dissipation vs. Ambient Temperature

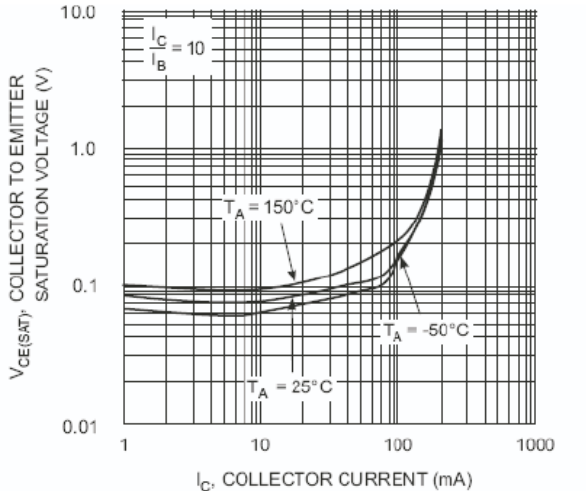


Fig.2 Collector Emitter Saturation Voltage vs.Collector Current

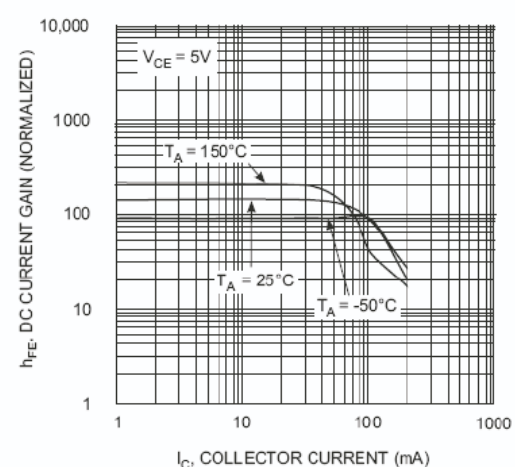


Fig.3 DC Current Gain vs. Collector Current

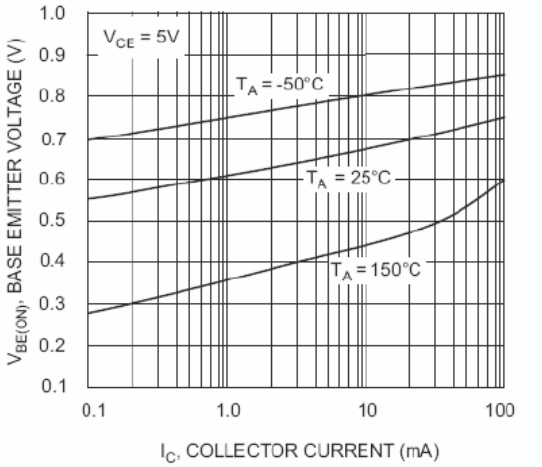


Fig.4 Base Emitter Voltage vs.Collector Current

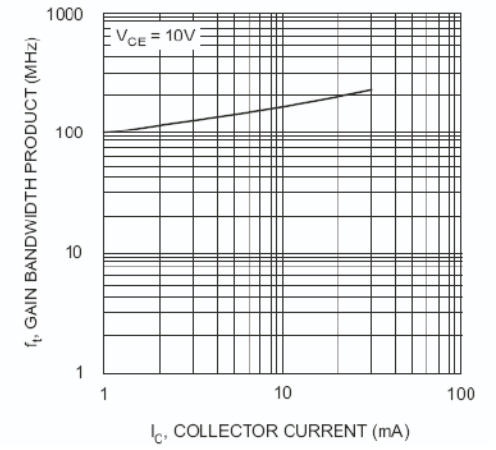


Fig.5 Gain Bandwidth Product vs. Collector Current

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