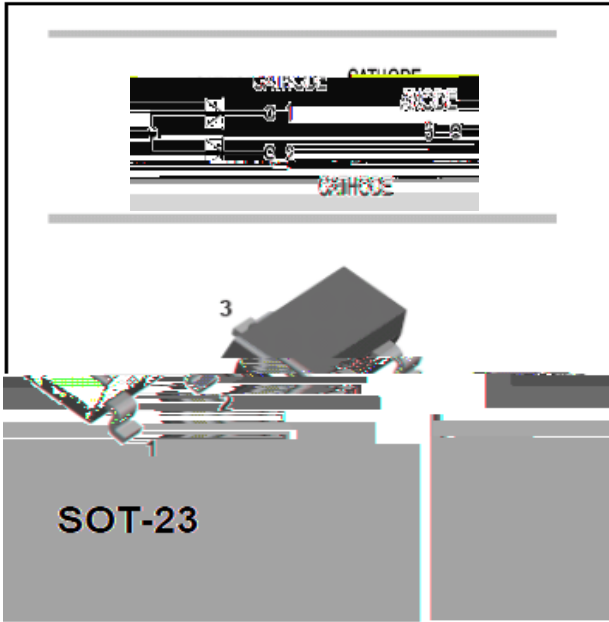


PNP Transistor



Features

Epoxy meets UL-94 V-0 flammability rating
Halogen free available upon request by adding suffix "HF"
Moits

Surface Mount Package Ideally Suited for Automatic Insertion

Mechanical Data

Package: SOT-323

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Marking: K3F

Maximum Ratings (T_d)

		Unit	Value
Collector-Base Voltage	V _{CB0}	V	-60
Collector-Emitter Voltage	V _{CE0}	V	-60
Emitter-Base Voltage	V _{EBO}	V	-5
Collector Current	I _C	mA	-600
Collector Power Dissipation	P _C	mW	200
Operation Junction Temperature	T _j		150
Storage Temperature	T _{stg}		-55 to +150



Electrical Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	V_{CBO}	V	$I_C=-10\mu A, I_E=0$	-60		
Collector-emitter breakdown voltage	V_{CEO^*}	V	$I_C=-10mA, I_B=0$	-60		
Emitter-base breakdown voltage	V_{EBO}	V	$I_E=-10\mu A, I_C=0$	-5		
Collector-emitter cut-off current	I_{CEO}	nA	$V_{CE}=-35$			

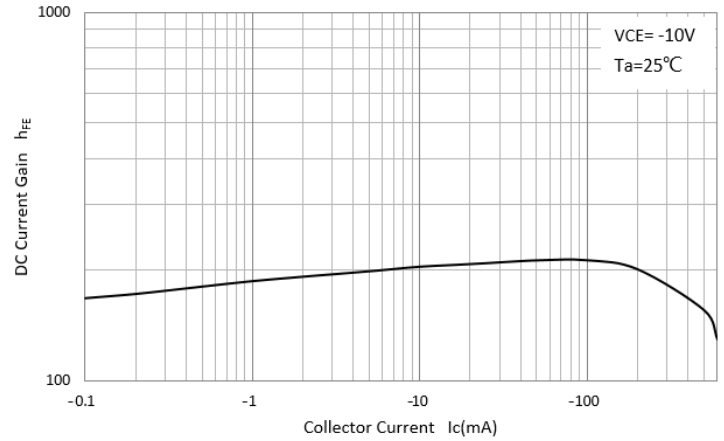


Characteristics (Typical)

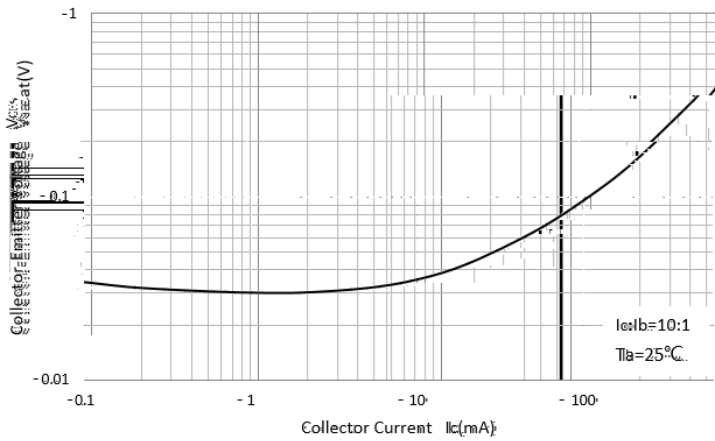
Static Characteristic



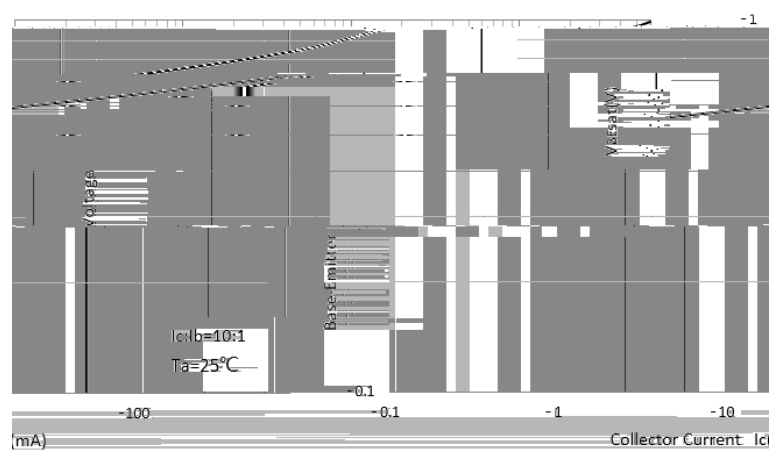
DC Current Gain



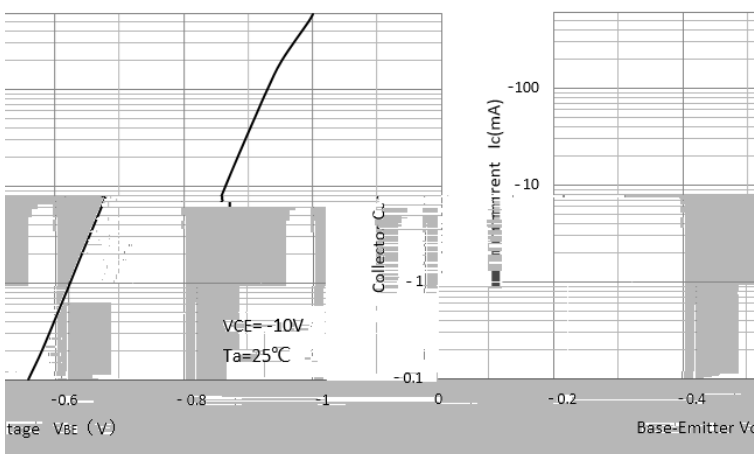
Collector-Emitter Saturation Voltage



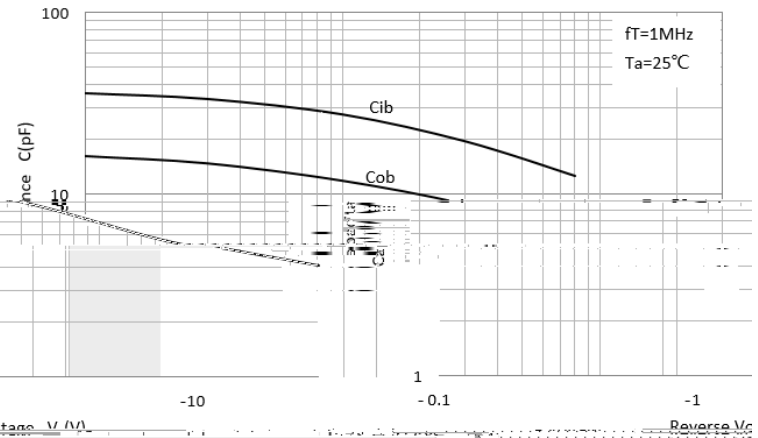
Base-Emitter Saturation Voltage



Base-Emitter On Voltage



Cob/Cib-V_{CB}/V_{EB}



MMST2907A

