

Epoxy meets UL-94 V-0 flammability rating  
 Halogen free available upon request by adding suffix "HF"  
 Moisture Sensitivity Level 1  
 High-speed switching

: SOT-89  
 Molding compound meets UL 94 V-0 flammability rating,  
 RoHS-compliant, halogen-free  
 Tin plated leads, solderable per  
 J-STD-002 and JESD22-B102  
 Marking: 1P

( $T_a=25$  unless otherwise noted)

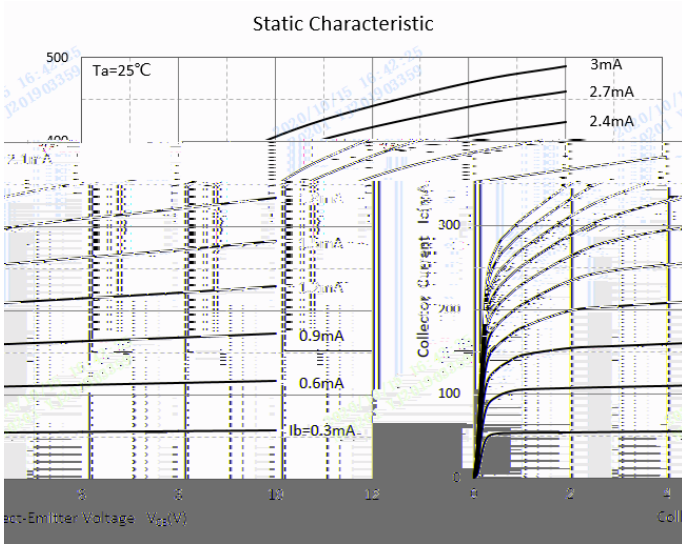
Minimum Collector-Emitter Voltage	$V_{CE0}$	V	$I_C=10mA, I_B=0$	40
Minimum Collector-Base Voltage	$V_{CBO}$	V	$I_C=10uA, I_E=0$	75
Minimum Emitter-Base Voltage	$V_{EBO}$	V	$I_E=10uA, I_C=0$	6
Collector Current	$I_C$	mA		600
Collector Power Dissipation	$P_C$	mW		500
Thermal Resistance From Junction To Ambient	$R_{JA}$	/W		250
Operation Junction Temperature	$T_j$			-55 to +150
Storage Temperature	$T_{stg}$			-55 to +150



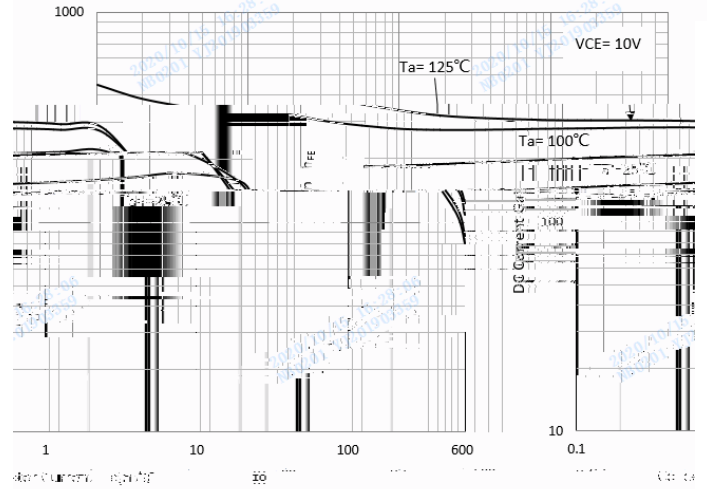


(Typical)

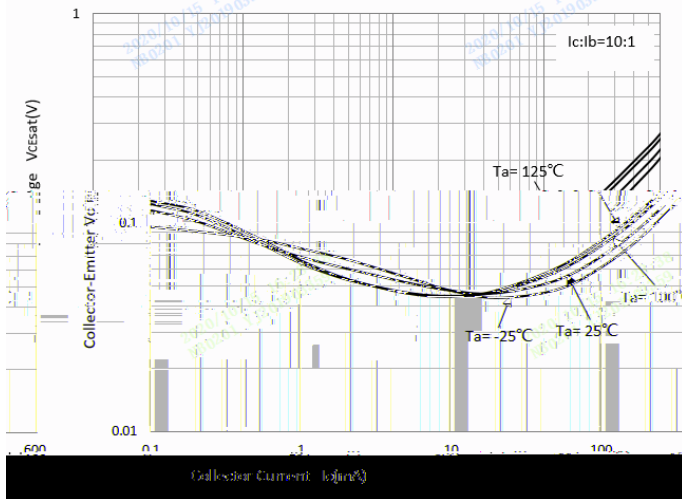
Static Characteristic



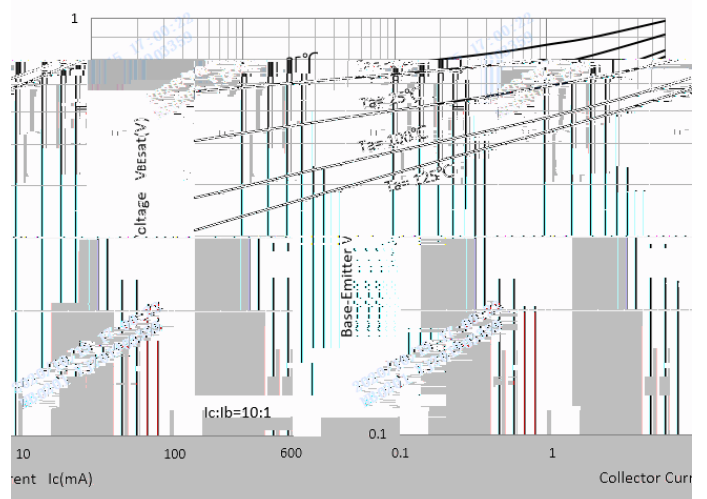
DC Current Gain



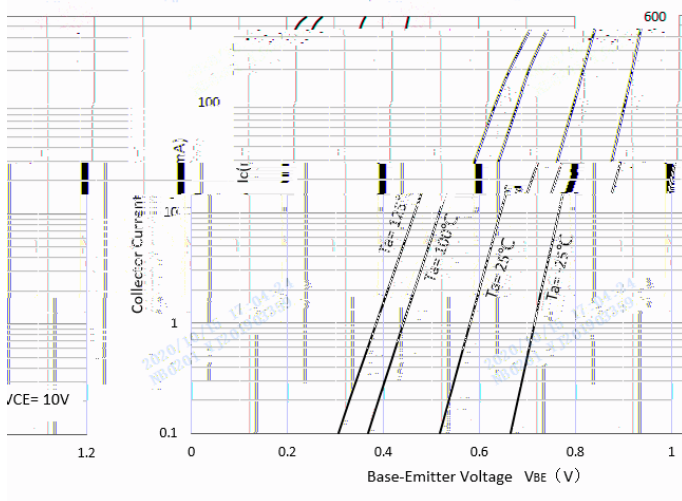
Collector-Emitter Saturation Voltage



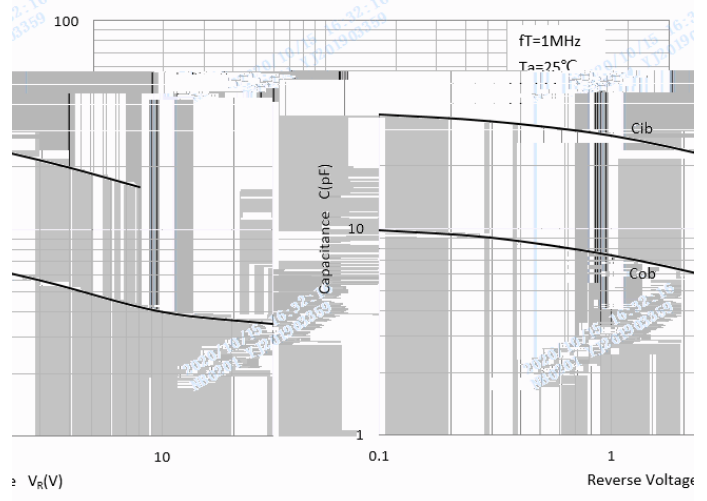
Base-Emitter Saturation Voltage

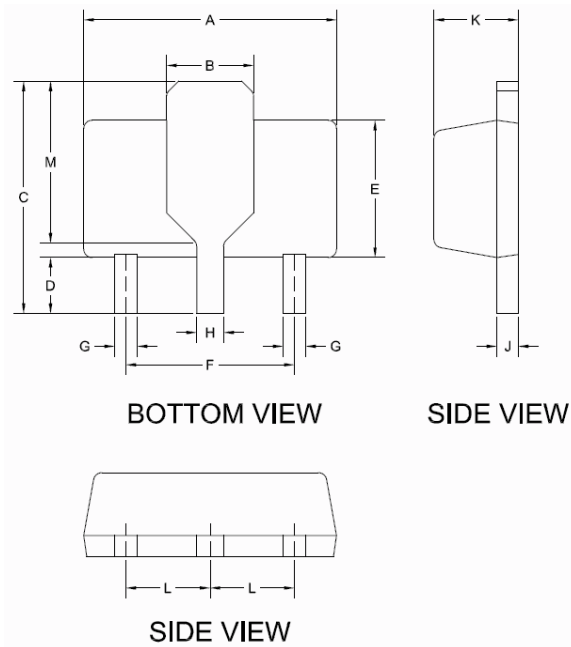
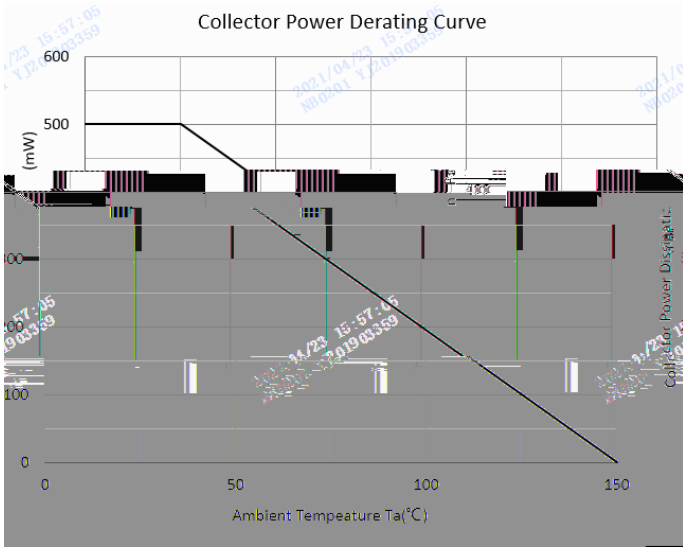


Base-Emitter On Voltage

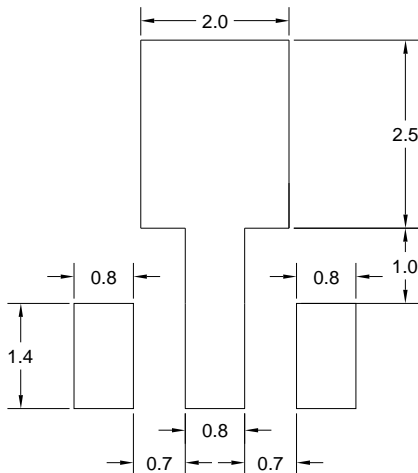


Cob/Cib-V<sub>CB</sub>/V<sub>EB</sub>





DIM	DIMENSIONS				
	INCHES		MM		
	MIN.	MAX.	MIN.	MAX.	
A	0.173	0.181	4.400	4.600	
B	0.061 TYP.		1.550 TYP.		
C	0.155	0.167	3.940	4.250	
D	0.400	2.600	E	0.094	0.102
E	3.00 TYP.	F	0.118 TYP.		
F	0.360	0.480	G	0.014	0.019
G	0.440	0.560	H	0.017	0.022
H	0.063	1.400	1.600	K	0.055
I	0.059 TYP.	1.500 TYP.	L	0	
J	0.108 TYP.	2.750 TYP.	M	0	



UNIT:MM



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