



NPN General Purpose Amplifier transistors



Features

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

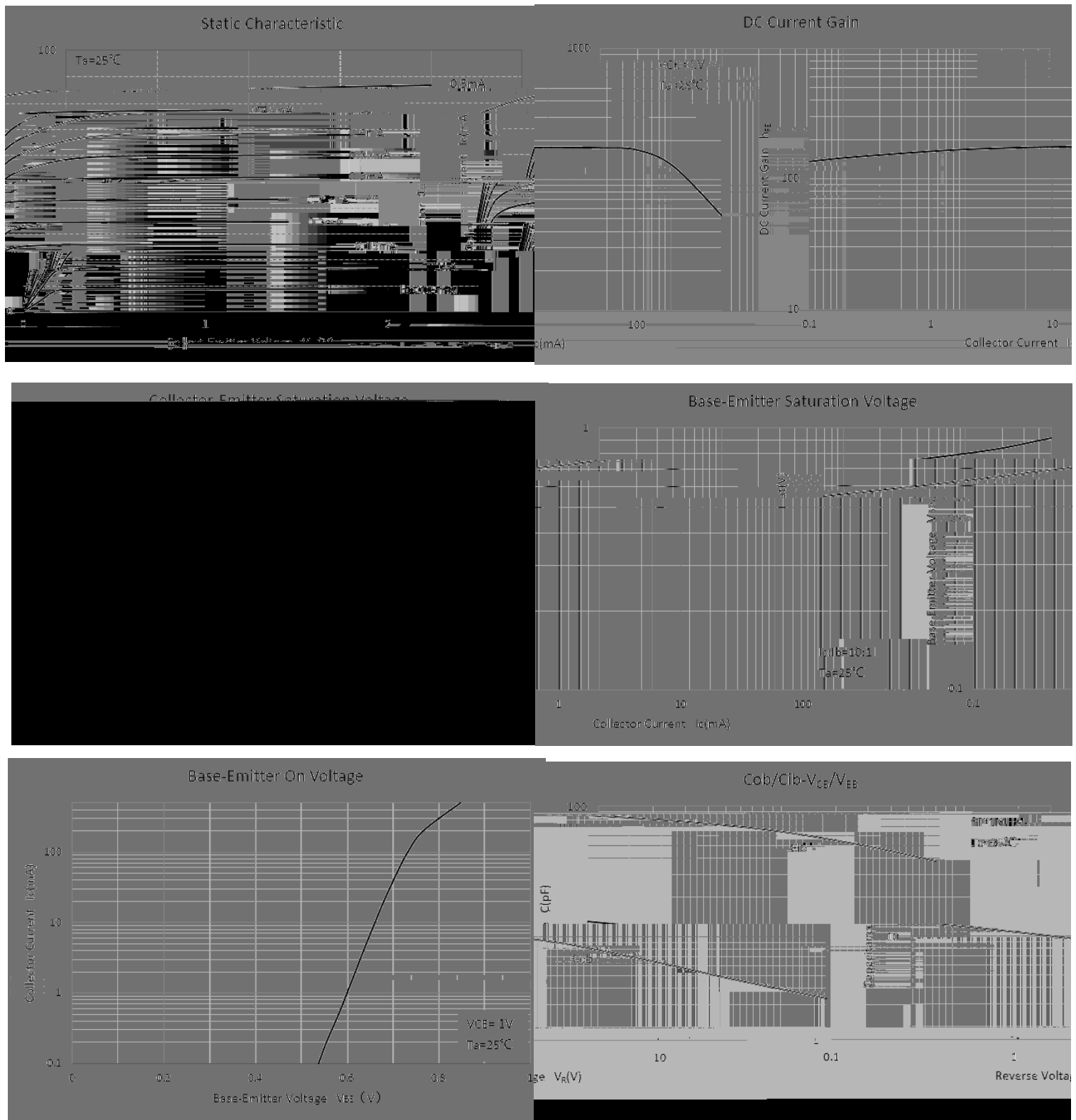
MMSTA05	1H
MMSTA06	1GM

Collector-Base Voltage	V_{CBO} MMSTA05 MMSTA06	60 80	V
Collector-Emitter Voltage	V_{CEO} MMSTA05 MMSTA06	60 80	V
Emitter-Base Voltage	V_{EBO}	4	V
Collector Current	I_C	500	mA
Collector Power Dissipation	P_C	200	mW
Operation Junction Temperature	T_j	150	
Storage Temperature	T_{stg}	-55 to +150	



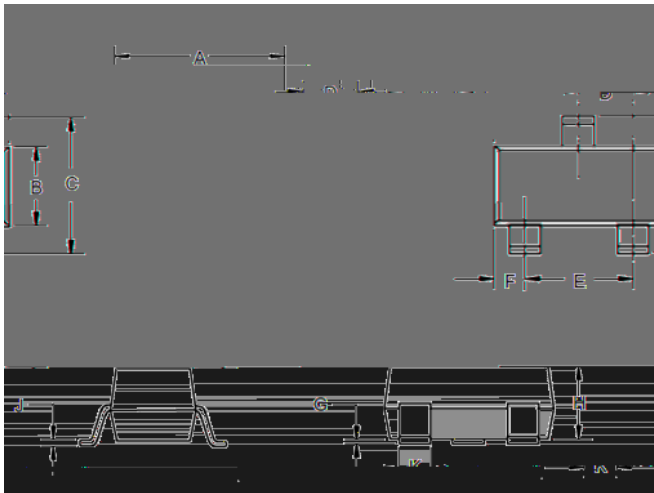


■Characteristics(Typical)



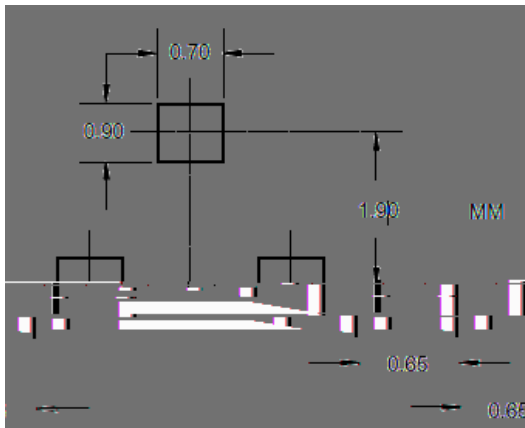


■ SOT-323 Package Outline Dimensions



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.035	.053	.914	1.35	
C	.035	.050	.914	1.27	
D	.028 Nominal		0.65 Nominal		
E	.047	.055	1.20	1.40	
F	.035	.050	.914	1.27	
G	.035	.050	.914	1.27	
H	.035	.050	.914	1.27	
I	.035	.050	.914	1.27	
J	.035	.050	.914	1.27	

■ SOT-323 Soldering Footprint





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