

# PNP general purpose transistor

## SSTA56 / MMSTA56

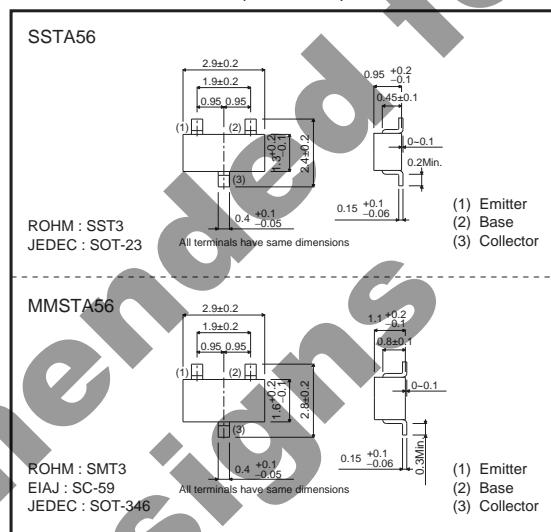
### ●Features

- 1)  $BV_{CEO} < -40V$  ( $I_c = 100\mu A$ )
- 2) Complements the SSTA06 / MMSTA06.

### ●Package, marking and packaging specifications

Part No.	SSTA56	MMSTA56
Packaging type	SST3	SMT3
Marking	R2G	R2G
Code	T116	T146
Basic ordering unit (pieces)	3000	3000

### ●External dimensions (Unit : mm)



### ●Absolute maximum ratings ( $T_a=25^\circ C$ )

Parameter	Symbol	Limits	Unit
Collector-base voltage	$V_{CBO}$	-80	V
Collector-emitter voltage	$V_{CEO}$	-80	V
Emitter-base voltage	$V_{EBO}$	-4	V
Collector current	$I_c$	-0.5	A
Collector power dissipation	$P_c$	0.2 0.35	W W *
Junction temperature	$T_j$	150	$^\circ C$
Storage temperature	$T_{stg}$	-55 to +150	$^\circ C$

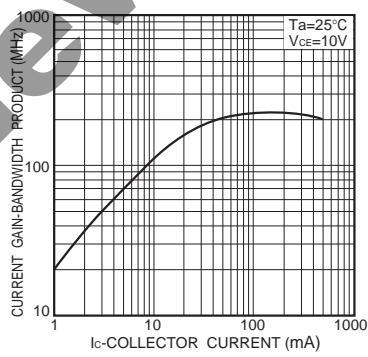
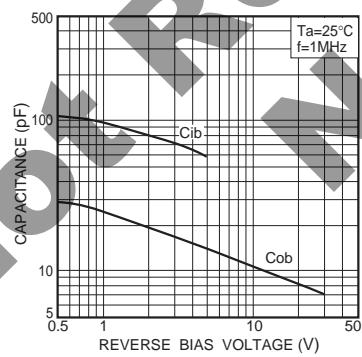
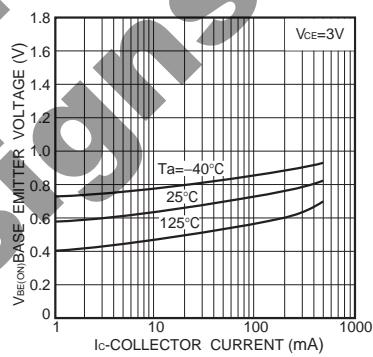
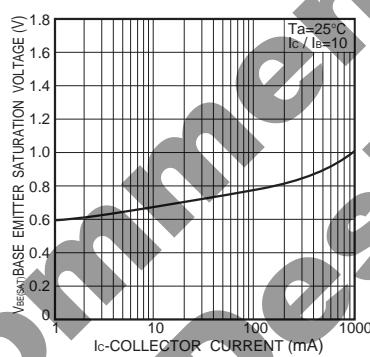
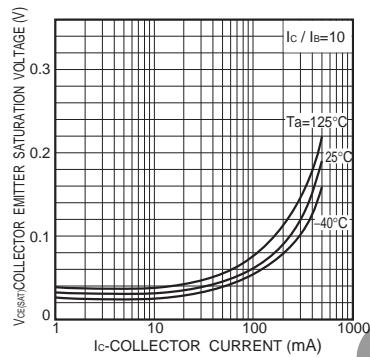
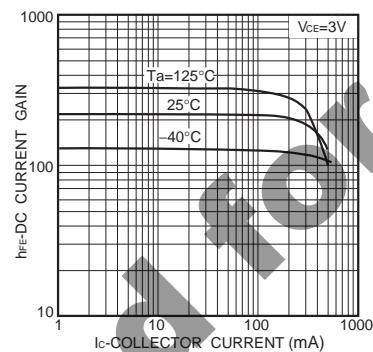
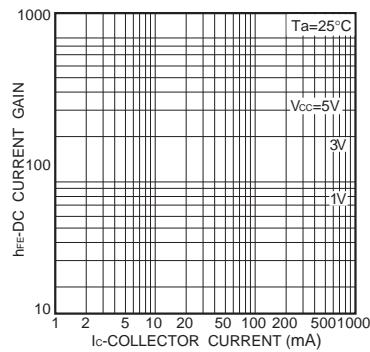
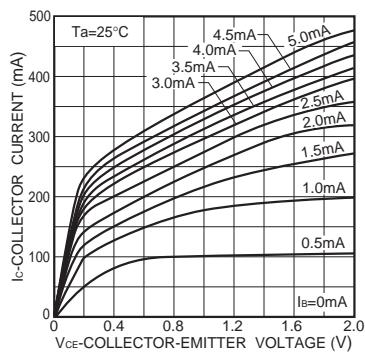
\* Mounted on a 7x5x0.6mm CERAMIC SUBSTRATE

### ●Electrical characteristics ( $T_a=25^\circ C$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Emitter-base breakdown voltage	$BV_{EBO}$	-4	-	-	V	$I_c = -100mA$
Collector-emitter breakdown voltage	$BV_{CEO}$	-80	-	-	V	$I_c = -1mA$
Collector cutoff current	$I_{CBO}$	-	-	-0.1	$\mu A$	$V_{CB} = -80V$
Collector cutoff current		-	-	-1		$V_{CE} = -60V$
Collector-emitter saturation voltage	$V_{CE(sat)}$	-	-	0.25	V	$I_c / I_b = -100mA / -10mA$
Base-emitter saturation voltage	$V_{BE(on)}$	-	-	-1.2	V	$V_{CE} / I_b = -1V / 100mA$
DC current transfer ratio	$h_{FE}$	100	-	-		$V_{CE} = -1V, I_c = -10mA$
DC current transfer ratio		100	-	-		$V_{CE} = -1V, I_c = -100mA$
Transition frequency	$f_T$	50	-	-	MHz	$V_{CE} = -1V, I_E = 100mA, f = 100MHz$

## Transistors

## ● Electrical characteristic curves



## Appendix

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