# NPN General Purpose Transistor **SSTA06 / MMSTA06**

### Features

- 1) BVCEO < 80V ( IC=1mA)
- 2) Complements the SSTA56 / MMSTA56.

## •Package, marking and packaging specifications

Part No.	SSTA06	MMSTA06	
Packaging type	SST3	SMT3	
Mark	R1G	R1G	
Code	T116	T146	
Basic ordering unit (pieces)	3000	3000	



### Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit		
Collector-base voltage	Vсво	80	V		
Collector-emitter voltage	Vceo	80	V		
Emitter-base voltage	Vebo	4	V		
Collector current	lc	0.5	А		
Collector power dissipation	Pc	0.2	W		
		0.35	• w *		
Junction temperature	Tj	150	°C		
Storage temperature	Tstg	-55 to +150	°C		
* Mounted on 7x5x0.6mm ceramic substrate.					

Mounted on 7x5x0.6mm ceramic subst



## •Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	80	-	-	V	Ic=100µA
Collector-emitter breakdown voltage	BVCEO	80	-	-	V	Ic=1mA
Emitter-base breakdown voltage	ВVево	4	-	-	V	IE=100μA
Collector cutoff current	Ісво	-	-	0.1	-μΑ	Vcb=80V
Collector cuton cutrent	ICEO	-	-	1		Vce=60V
Collector-emitter saturation voltage	VCE(sat)	-	-	0.25	V	Ic/IB=100mA/10mA
Base-emitter saturation voltage	VBE(ON)	-	-	1.2	V	Vce/lb=1V/100mA
DC current transfer ratio	hFE	100	-	-	_	Vce=1V, IC=10mA
		100	-	-		Vce=1V, IC=100mA
Transition frequency	fт	100	-	-	MHz	Vce=2V, IE=-10mA, f=100MHz



# Transistors



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# SSTA06 / MMSTA06

# Transistors



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Appendix1-Rev2.0

