

NPN small signal transistor

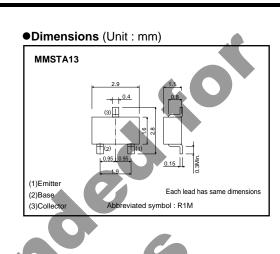
MMSTA13

Features

(1) High Current Gain.

Packaging specifications

	Package	Taping		
Туре	Code	T146		
	Basic ordering unit (pieces)	3000		
MMSTA13		0		



●Absolute maximum ratings (Ta=25°C)

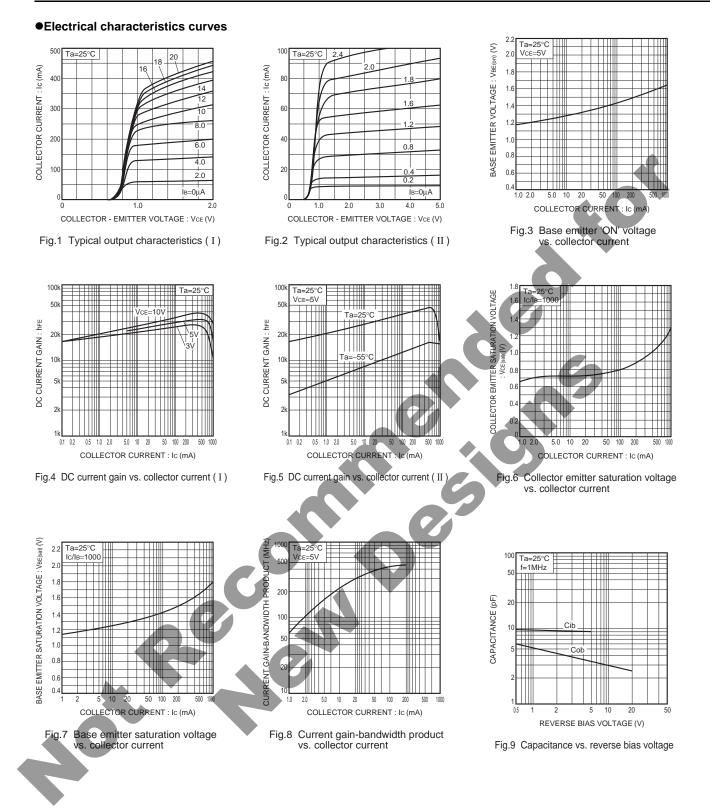
	, ,				
Parameter	Symbol	Limits	Unit		
Collector-base voltage	Vсво	30	V		
Collector-emitter voltage	Vces	30	V		
Emitter-base voltage	Vebo	10	V		
Collector current	lc	0.3	A		
Collector power dissipation	Pc	0.2	W		
		0.35	W *		
Junction temperature	Tj	150	°C		
Storage temperature	Tstg	-55 to 125	°C		
Mounted on a 7×5×0.6 mm CERAMIC				/	

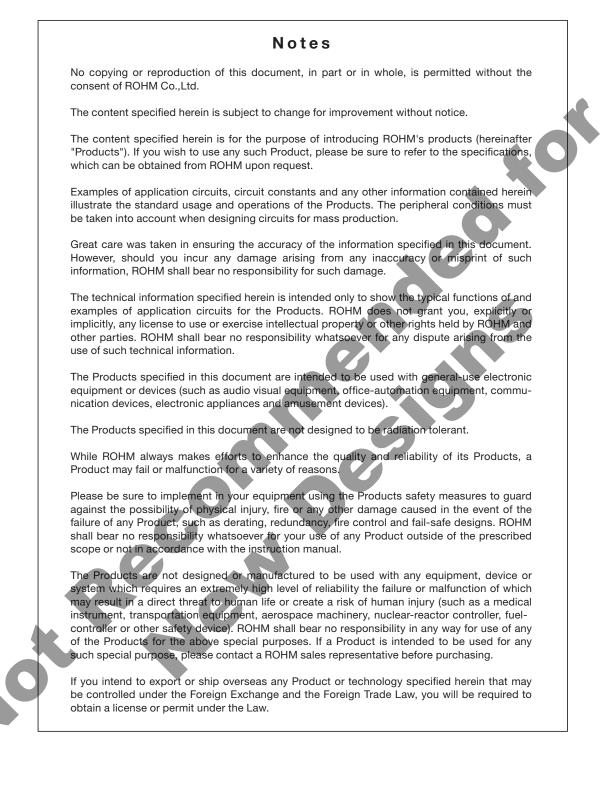
* Mounted on a 7×5×0.6 mm CERAMIC SUBSTRATE

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-emitter breakdown voltage	BVCES	30	_	-	V	Ic= 100μA
Collector-emitter breakdown voltage	BVCEO	30	-	_	V	Ic= 10μA
Emitter-base breakdown voltage	ВУево	10	-	_	V	Iε= 10μA
Collector-base cutoff current	Ісво	-	-	0.1	μΑ	Vcb= 30V
Emitter-base cutoff current	ICEO	-	_	0.1	μΑ	Veb= 10V
Collector-emitter saturation voltage	VCE(sat)	-	-	1.5	V	Ic/Iв= 100mA/ 100μA
Base-emitter voltage	VBE(on)	-	-	2.0	V	Vce= 5V, Ic= 100mA *
DC current transfer ratio	hfe	5000	-	_		Vce= 5V, Ic= 10mA
		10000	-	-	-	Vce= 5V, Ic= 100mA *
Transition frequency	f⊤	125	-	_	MHz	Vce= 5V, Ie= -10mA, f=100MHz
Collector output capacitance	Cob	-	5.4	_	pF	Vсв= 10V, f=100kHz, Iе= 0

* Pulsed







Thank you for your accessing to ROHM product informations. More detail product informations and catalogs are available, please contact us.

ROHM Customer Support System

http://www.rohm.com/contact/