PNP Medium Power Transistor (Switching) SST4403 / MMST4403

Features

1) BVCEO = -40V (Min.) ; at Ic= -1mA

2) Complements the SST4401 / MMST4401

•Package, marking, and packaging specifications

Part No.	SST4403	MMST4403	
Packaging type	SST3	SMT3	
Marking	R2T	R2T	
Code	T116	T146	
Basic ordering unit (pieces)	3000	3000	

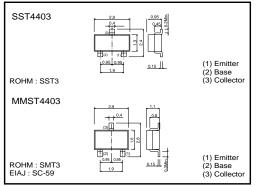
•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	Vсво	-40	V
Collector-emitter voltage	Vceo	-40	V
Emitter-base voltage	VEBO	-6	V
Collector current	lc	-0.6	A
Collector power dissipation	Pc	0.2	w
	FC	0.35	w
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	-40	-	-	V	Ic=-100µA
Collector-emitter breakdown voltage	BVCEO	-40	-	-	V	Ic=-1mA
Emitter-base breakdown voltage	BVEBO	-5	-	-	V	IE=-100μA
Collector cutoff current	Ісво	-	-	-0.1	μA	VcB=-35V
Emitter cutoff current	IEBO	-	-	-0.1	μΑ	VEB=-5V
Collector-emitter saturation voltage	1/1-11	-	-	-0.4	v	lc/I _B =-150mA/-15mA
	VCE(sat)	-	-	-0.75		Ic/I _B =-500mA/-50mA
Base-emitter saturation voltage	VBE(sat)	-0.75	-	-0.95	v	lc/I _B =-150mA/-15mA
	VBE(sat)	-	-	-1.3		Ic/IB=-500mA/-50mA
DC current transfer ratio	hre	30	-	-		Vce=-1V, Ic=-0.1mA
		60	-	-		Vce=-1V, Ic=-1mA
		100	-	-		Vce=-1V, Ic=-10mA
		100	-	300		Vce=-1V, Ic=-150mA
		20	-	-		Vce=-2V, Ic=-500mA
Transition frequency	fr	200	-	-	MHz	Vce=-10V, Ie=20mA, f=100MHz
Collector output capacitance	Cob	-	-	8.5	pF	VcB=-10V, f=100kHz
Emitter input capacitance	Cib	-	-	30	pF	VEB=-0.5V, f=100kHz
Delay time	td	-	-	15	ns	Vcc=-30V, VEB(OFF)=-2V, Ic=-150mA, IB1=-15mA
Rise time	tr	-	-	20	ns	Vcc=-30V, VEB(OFF)=-2V, Ic=-150mA, IB1=-15mA
Storage time	tstg	-	-	225	ns	Vcc=-30V, Ic=-150mA, IB1=-IB2=-15mA
Fall time	tf	-	-	30	ns	Vcc=-30V, Ic=-150mA, IB1=-IB2=-15mA

•Dimensions (Unit : mm)

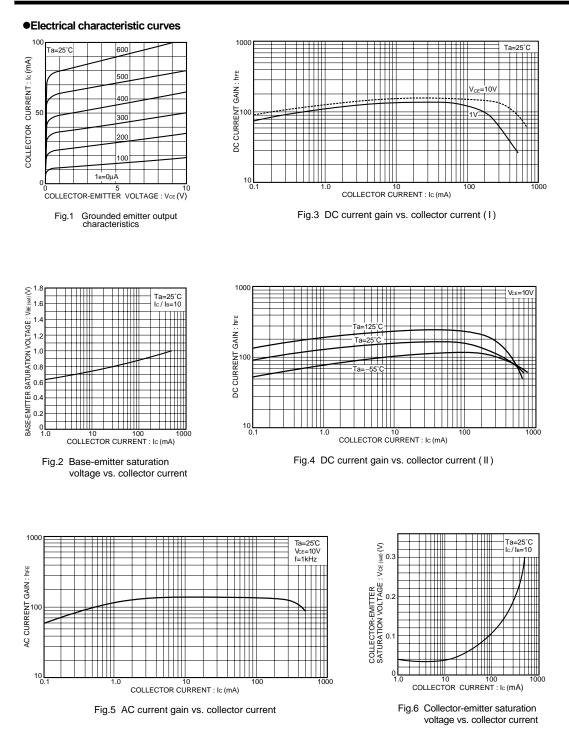


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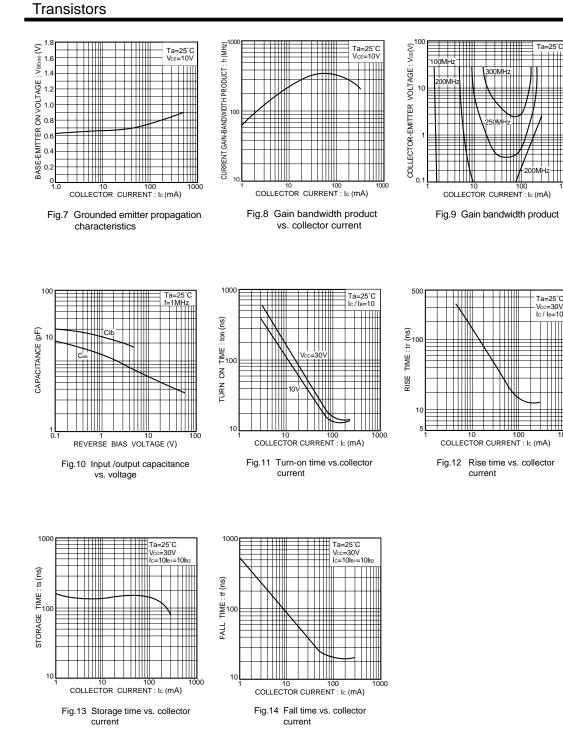
Transistors



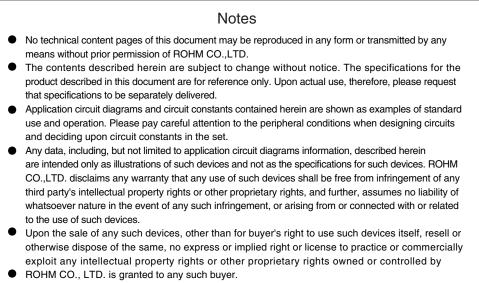
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