MSKSEMI 美森科













FSD

TVS

TSS

MOV

GDT

PIFD

MMST4403

Product specification

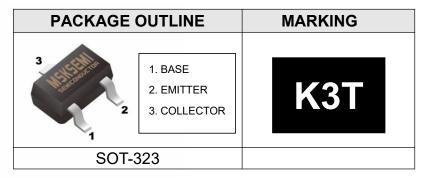




FEATURES

- Complementary To MMST4401
- Small Surface Mount Package

Reference News



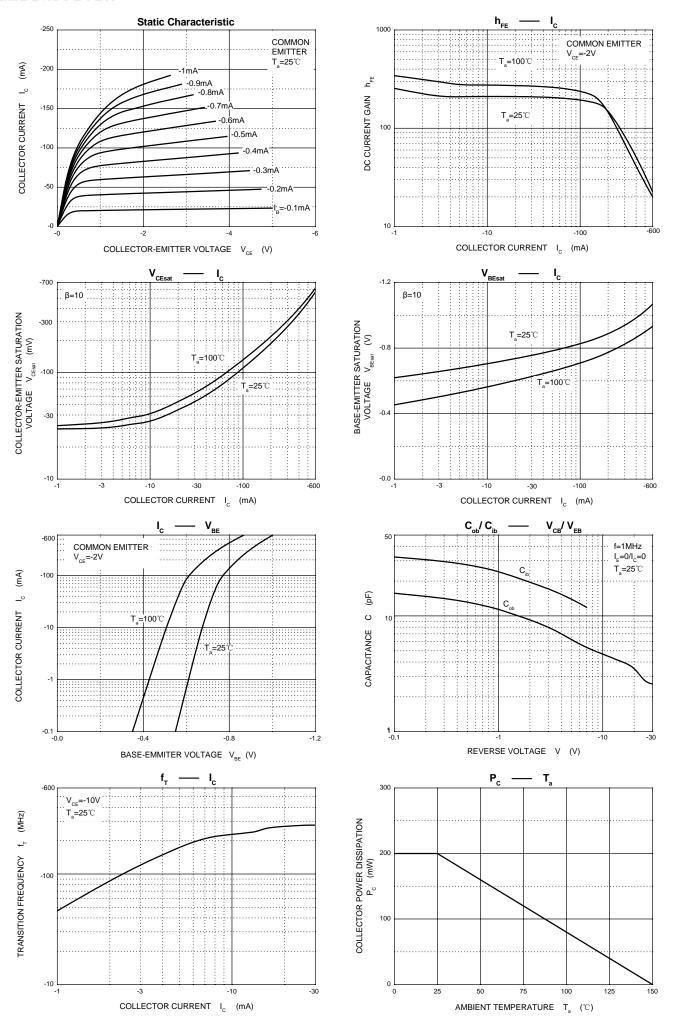
MAXIMUM RATINGS (Ta=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{СВО}	Collector-Base Voltage	-40	V
VcEO	Collector-Emitter Voltage	-40	V
V _{EBO}	Emitter-Base Voltage	-5	V
lc	Collector Current	-600	mA
Pc	Collector Power Dissipation	200	mW
Roja	Thermal Resistance From Junction To Ambient	625	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

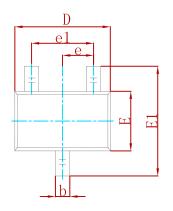
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-100μA, I _E =0	-40			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	lc=-1mA, l _B =0	-40			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I _E =-100μA, I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-35V, I _E =0			-100	nA
Collector cut-off current	ICEX	V _{CE} =-35V, V _{BE} =-0.4V			-100	nA
		V _{CE} =-1V, I _C =-100μA	30			
		V _{CE} =-1V, I _C =-1mA	60			
DC current gain	h _{FE}	V _{CE} =-1V, I _C =-10mA	100			
		V _{CE} =-2V, I _C =-150mA	100		300	
		V _{CE} =-2V, I _C =-500mA	20			
Callagter ansitter actionstic a valtera	VCE(sat)	I _C =-150mA, I _B =-15mA			-0.4	V
Collector-emitter saturation voltage		I _C =-500mA, I _B =-50mA			-0.75	V
Door amittee activistics valtees	V _{BE(sat)}	I _C =-150mA, I _B =-15mA	-0.75		-0.95	V
Base-emitter saturation voltage		lc=-500mA, I _B =-50mA			-1.3	V
Transition frequency	f⊤	V _{CE} =-10V,I _C =-20mA , f=100MHz	200			MHz
Collector output capacitance	C_ob	V _{CB} =-10V, I _E =0, f=1MHz			8.5	рF

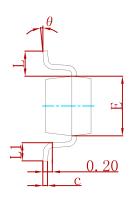


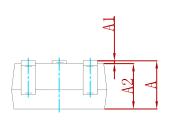




PACKAGEMECHANICALDATA

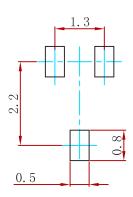






Symbol	Dimensions In Millimeters		Dimensions In Inches		
Syllibol	Min	Max	Min	Max	
Α	0.900	1.100	0.035	0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.000	0.035	0.039	
b	0.200	0.400	0.008	0.016	
С	0.080	0.150	0.003	0.006	
D	2.000	2.200	0.079	0.087	
E	1.150	1.350	0.045	0.053	
E1	2.150	2.450	0.085	0.096	
е	0.650 TYP		0.026 TYP		
e1	1.200	1.400	0.047	0.055	
L	0.525 REF		0.021 REF		
L1	0.260	0.460	0.010	0.018	
θ	0°	8°	0°	8°	

Suggested Pad Layout



Note:

- 1. Controlling dimension:in millimeters.
- 2.General tolerance:±0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
MMST4403	SOT-323	3000



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