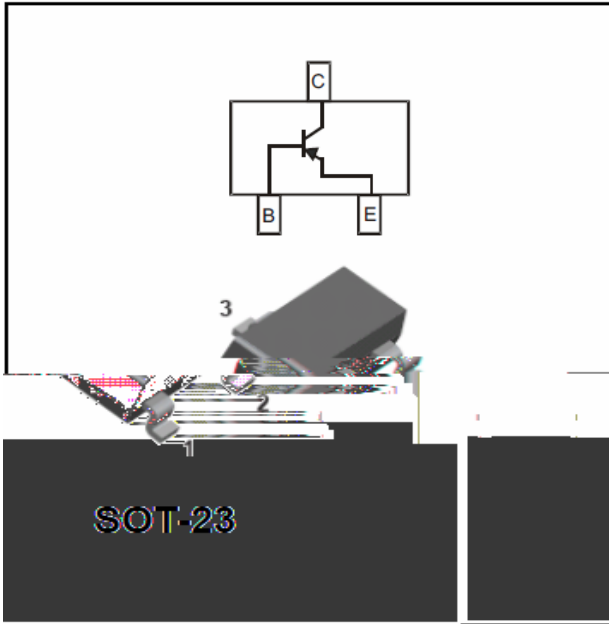


PNP General Purpose Amplifier



Features

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1
- Marking: 2T

Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Value
Collector-Base Voltage	V_{CBO}	V	-40
Collector-Emitter Voltage	V_{CEO}	V	-40
Emitter-Base Voltage	V_{EBO}	V	-5
Collector Current	I_C	A	-0.6
Collector Power Dissipation	P_C	mW	300
Thermal Resistance From Junction To Ambient	R_{JA}	-/W	417
Operation Junction Temperature	T_j	-	-55 to +150

Storage Temperature Range: -55 to +150 °C

Part Number	Lead Free	UNIT WEIGHT(g)	MINIMUM PACKAGE (pcs)	MINIMUM QUANTITY (pcs)	OUTER CARTON QUANTITY (pcs)	DELIVERY MODE
MMBT4403	F2	Approximate 0.008	3000	30000	120000	7" reel



Electrical Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Max
Collector-base breakdown voltage	V _{CBO}	V	IC=-100μA,IE=0	-40	
Collector-emitter breakdown voltage	V _{CEO}	V	IC =-1mA,IB=0	-40	
Emitter-base breakdown voltage	V _{EBO}	V	IE=-100μA,IC=0	-5	
Collector-Base cut-off current	I _{CBO}	uA	VCB=-35V,IE=0		-0.1
Collector-emitter cut-off current	I _{CEO}	uA	VCE=-35V, IB =0		-0.1
Emitter-base cut-off current	I _{EBO}	uA	VEB=44V, IO = 0	-	
DC current gain	h _{FE}	'	'	0mA	100
Collector-emitter saturation voltage	V _{CE(sat)}	'	IC=-150mA,IB=-15mA	0	
Base-emitter saturation voltage	V _{BE(sat)}	'	IC=-150mA,IB=-15mA		-0.95

300

Electrical Characteristics (Ta=25 unless otherwise noted)

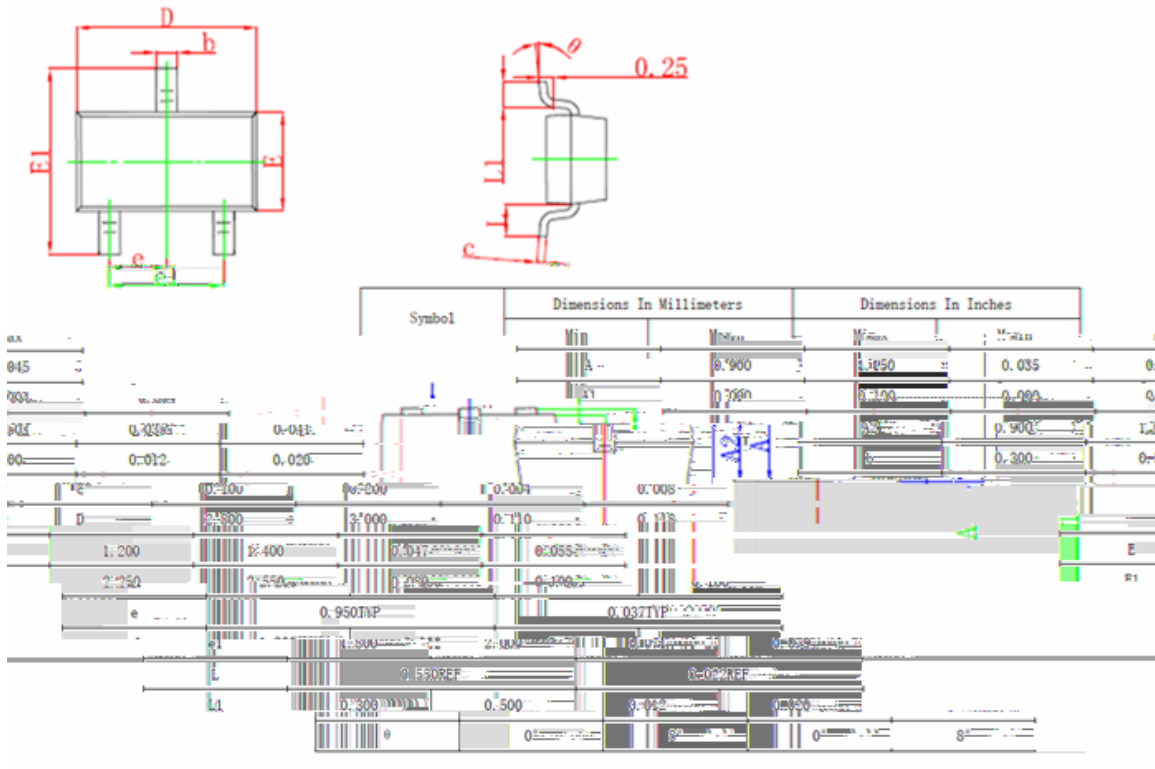
Item	Symbol	Unit	Conditions	Min	Max
Transition frequency	Ft	M z	'	0mA, f=200MHz	
Delay time	td	ns	VCC=-30V,VEB=-2V IC=-150mA, IB1=-15mA		
Rise time	tr	ns		15	20
Storage time	ts	ns	VCC=-30V,IC=-150mA,		
Fall time	tf	ns			60

Characteristics (Typical)

MMBT4403



SOT-23 Package Outline Dimensions



SOT-23 Soldering Footprint

