



Dual PNP Small Signal Transistor

Features

- Epoxy meets UL-94 V-0 flammability rating
- Surface mount package ideally Suited for Automatic Insertion
- PNP

À 1M

Mechanical Data



MMDT5401

■Maximum Ratings (Ta=25 Unless otherwise specified)

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	VCBO	V	IC=-100μA, IE=0	-160
Collector-Emitter Voltage	VCEO	V	IC=-1mA, IB=0	-150
Emitter-Base Voltage	VEBO	V	IE=-10μA, IC=0	-5
Collector Current -Continuous	IC	mA		-600
Total Device Dissipation	PC	mW		200
Junction Temperature	Tj			150
Storage Temperature	TSTG			-55 to +150

■Electrical Characteristics (Ta=25 unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	TYP	Max
Collector-base breakdown voltage	V _{CBO}	V	IC=-100μA, IE=0	-160		
Collector-emitter breakdown voltage	V _{CEO}	V	IC=-1mA, IB=0	-150		
Emitter-base breakdown voltage	V _{EBO}	V	IE=-10μA, IC=0	-5		
Collector cut-off current	I _{CBO}	nA	VCB=-120V, IE=0			-50
Emmitter cut-off current	I _{EBO}	nA	VEB=-3V, IC=0			-50
DC current gain	h _{FE1}		VCE=-5V, IC=-1mA	50		
	h _{FE2}		VCE=-5V, IC=-10mA	100		300
	h _{FE3}		VCE=-5V, IC=-50mA	50		
Collector-emitter saturation voltage	V _{CE(sat)}	V	IC=-10mA, IB=-1mA			-0.2
Collector-emitter saturation voltage	V _{CE(sat)}	V	IC=-50mA, IB=-5mA			-0.5
Base-emitter saturation voltage	V _{BE(sat)}	V	IC=-10mA, IB=-1mA			-1
Base-emitter saturation voltage	V _{BE(sat)}	V	IC=-50mA, IB=-5mA			-1
Output Capacitance	Cob	pF	VCB=-10V, IE=0, f=1.0MHz			6
Transition frequency	f _T	MHz	VCE=-10V, IC=-10mA, f=100MHz	100		
Noise Figure	NF	dB	VCE=-5V, IC=-0.2mA, f=1kHz, RS=10Ω			8

■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM
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■ Characteristics (Typical)

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