



Micro Commercial Components



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MPSW51A

Features

- Halogen free available upon request by adding suffix "-HF"
Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisure Sensitivity Level 1

Maximum Ratings

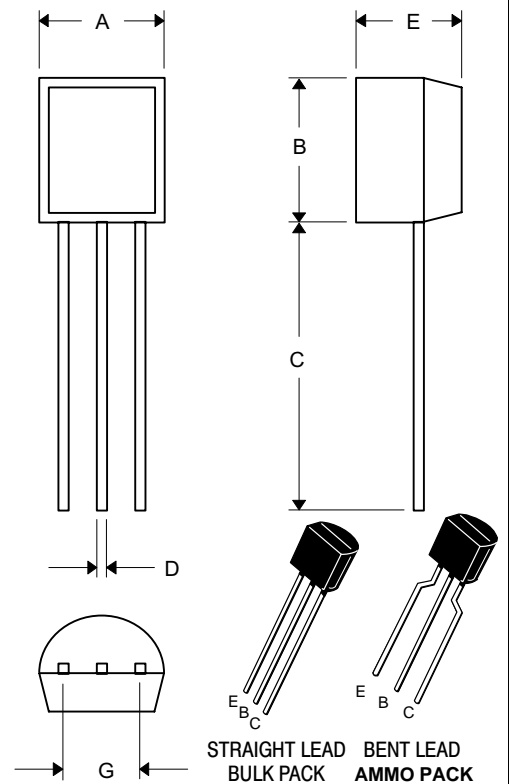
- Operating temperature : -55°C to +150°C
Storage temperature : -55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Symbol, Parameter, Value, Unit. Rows include VCEO, Vcbo, VEBO, Ic, Pc, RthetaJA, Tj, Tstg.

PNP Plastic-Encapsulate Transistors

TO-92



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE.

* For ammo packing detailed specification, click here to visit our website of product packaging for details.

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ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = -0.1mA, I _E =0	-50			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA, I _B =0	-40			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-0.1mA, I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-40V, I _E =0			-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-3V, I _C =0			-0.1	μA
DC current gain	h _{FE(1)}	V _{CE} =-1V, I _C =-0.01A	55			
	h _{FE(2)}	V _{CE} =-1V, I _C =-0.1A	60			
	h _{FE(3)}	V _{CE} =-1V, I _C =-1A	50			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-1A, I _B =-0.1A			-0.7	V
Base-emitter voltage	V _{BE}	I _C =-1A, V _{CE} =-1V			-1.2	V
Transition frequency	f _T	V _{CE} =-10V, I _C =-50mA, f=20MHz	50			MHz
Collector output capacitance	C _{ob}	V _{CB} =-10V, I _E =0, f=1MHz			30	pF



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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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