



Micro Commercial Components



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MPSA05

NPN General Purpose Amplifier

Features

- This device is designed for use as general purpose amplifiers and switches requiring collector currents to 300mA
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
Marking: MPSA05
Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Table with 4 columns: Symbol, Rating, Rating, Unit. Rows include V\_CEO, V\_CBO, V\_EBO, I\_C, T\_J, T\_STG.

Thermal Characteristics

Table with 4 columns: Symbol, Rating, Max, Unit. Rows include P\_D, R\_JC, R\_JA.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 5 columns: Symbol, Parameter, Min, Max, Units

OFF CHARACTERISTICS

Table with 5 columns: Symbol, Parameter, Min, Max, Units. Rows include V\_(BR)CEO, V\_(BR)EBO, I\_CEO, I\_CBO.

ON CHARACTERISTICS

Table with 5 columns: Symbol, Parameter, Min, Max, Units. Rows include h\_FE, V\_CE(sat), V\_BE(on).

Small Signal Characteristics

Table with 5 columns: Symbol, Parameter, Min, Max, Units. Row includes f\_T.

\* Pulse Test: Pulse Width<300us, Duty Cycle<2.0%

TO-92 package diagram showing dimensions A, B, C, D, E, G. Includes images of straight lead, bent lead, bulk pack, and ammo pack. Includes a DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE.



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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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