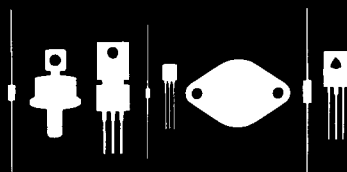


Central
Semiconductor Corp.
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145 Adams Avenue
Hauppauge, New York 11788



MPS3392
MPS3393
MPS3394
MPS3395

NPN SILICON SIGNAL TRANSISTORS

JEDEC TO-92 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR MPS3392 Series types are Silicon NPN Transistors designed for small signal amplifier and low power audio applications.

MAXIMUM RATINGS (T_A=25°C)

| | SYMBOL | | UNIT |
|---|-----------------------------------|-------------|-------|
| Collector-Base Voltage | V _{CB0} | 25 | V |
| Collector-Emitter Voltage | V _{CEO} | 25 | V |
| Emitter-Base Voltage | V _{EB0} | 5.0 | V |
| Collector-Current | I _C | 100 | mA |
| Power Dissipation | P _D | 625 | mW |
| Operating and Storage Junction Temperature | T _J , T _{stg} | -65 TO +150 | °C |
| Thermal Resistance | θ _{JA} | 0.2 | °C/mW |

ELECTRICAL CHARACTERISTICS (T_A=25°C)

| SYMBOL | TEST CONDITIONS | MIN | MAX | UNIT |
|-------------------|--|-----|-----|------|
| I _{CB0} | V _{CB} =18V | | 0.1 | μA |
| I _{EB0} | V _{EB} =5.0V | | 0.1 | μA |
| BV _{CEO} | I _C =1.0mA | 25 | | V |
| h _{FE} | V _{CE} =4.5V, I _C =2.0mA (MPS3392) | 150 | 300 | |
| h _{FE} | V _{CE} =4.5V, I _C =2.0mA (MPS3393) | 90 | 180 | |
| h _{FE} | V _{CE} =4.5V, I _C =2.0mA (MPS3394) | 55 | 110 | |
| h _{FE} | V _{CE} =4.5V, I _C =2.0mA (MPS3395) | 150 | 500 | |
| h _{fe} | V _{CE} =4.5V, I _C =2.0mA, f=1.0kHz (MPS3392) | 150 | 500 | |
| h _{fe} | V _{CE} =4.5V, I _C =2.0mA, f=1.0kHz (MPS3393) | 90 | 400 | |
| h _{fe} | V _{CE} =4.5V, I _C =2.0mA, f=1.0kHz (MPS3394) | 55 | 300 | |
| h _{fe} | V _{CE} =4.5V, I _C =2.0mA, f=1.0kHz (MPS3395) | 150 | 800 | |
| C _{ob} | V _{CB} =10V, f=1.0MHz | | 3.5 | pF |