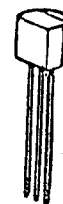


MPSA63 is PNP silicon darlington transistor designed for preamplifier input applications.

TO-92



EBC

ABSOLUTE MAXIMUM RATINGS

| | | |
|--|----------|---------------|
| Collector-Emitter Voltage | VCES | 30V |
| Collector-Base Voltage | VCBO | 30V |
| Emitter-Base Voltage | VEBO | 10V |
| Collector Current | IC | 300mA |
| Total Power Dissipation | Ptot | 625mW |
| Operating Junction & Storage Temperature | Tj, Tstg | -55 to +150°C |

ELECTRICAL CHARACTERISTICS (TA=25°C)

| PARAMETER | SYMBOL | MIN | MAX | UNIT | TEST CONDITIONS |
|--------------------------------------|----------|-----|-----|------|------------------------------------|
| Collector-Emitter Breakdown Voltage | BV CES | 30 | | V | IC=100μA VBE=0 |
| Collector-Base Breakdown Voltage | BV CBO | 30 | | V | IC=100μA IE=0 |
| Emitter-Base Breakdown Voltage | BV EBO | 10 | | V | IE=100μA IC=0 |
| Collector Cutoff Current | ICBO | | 100 | nA | VCB=20V IE=0 |
| D.C. Current Gain | HFE | 10K | 5K | | IC=100mA VCE=5V* IC=10mA VCE=5V |
| Collector-Emitter Saturation Voltage | VCE(sat) | | 1.5 | V | IC=100mA IB=0.1mA* |
| Current Gain-Bandwidth Product | fT | 125 | | MHz | IC=10mA VCE=5V |

* Pulse Test : Pulse Width = 300μs, Duty Cycle = 1%.



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