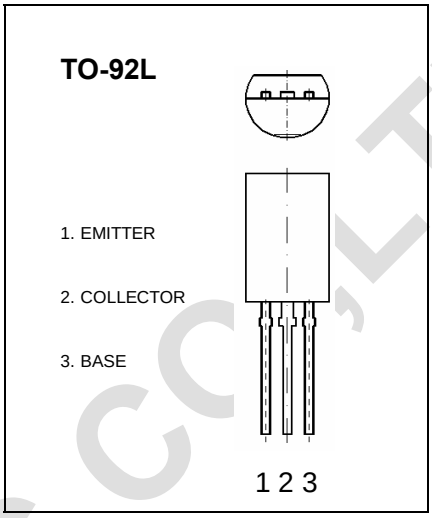
WEJ®

RoHS

# KSA928A TRANSISTOR (PNP)




## FEATURE

Power dissipation

$P_{CM:}$ 1 W (Tamb=25℃)

Collector current

$I_{CM:}$ -2 A

Collector-base voltage

$V_{(BR)CBO}$: -30 V

Operating and storage junction temperature range

$T_J$, $T_{stg}$: -55℃ to +150℃

## ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

| Parameter | Symbol | Test conditions | MIN | MAX | UNIT |
|---|---|---|---|---|---|
| **Collector-base breakdown voltage** | $V(BR)_{CBO}$ | Ic= -100μA, $I_E$=0 | -30 | | V |
| **Collector-emitter breakdown voltage** | $V(BR)_{CEO}$ | $I_C$= -10mA, $I_B$=0 | -30 | | V |
| **Emitter-base breakdown voltage** | $V(BR)_{EBO}$ | $I_E$= -1mA, $I_C$=0 | -5 | | V |
| **Collector cut-off current** | $I_{CBO}$ | $V_{CB}$= -30V, IE=0 | | -0.1 | μA |
| **Emitter cut-off current** | $I_{EBO}$ | $V_{EB}$= -5V, IC=0 | | -0.1 | μA |
| **DC current gain** | $h_{FE}$ | $V_{CE}$=-2 V, IC= -500mA | 100 | 320 | |
| **Collector-emitter saturation voltage** | $V_{CE(sat)}$ | $I_C$= -1.5 A, $I_B$= -0.03A | | -2 | V |
| **Base-emitter voltage** | $V_{BE}$ | $I_C$= -500mA, VCE= -2V | | -1 | V |
| **Transition frequency** | $f_T$ | $V_{CE}$= -2 V, $I_C$= -500mA | 100 | | MHz |

## CLASSIFICATION OF hFE

| Rank | O | Y |
|---|---|---|
| **Range** | 100-200 | 160-320 |

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