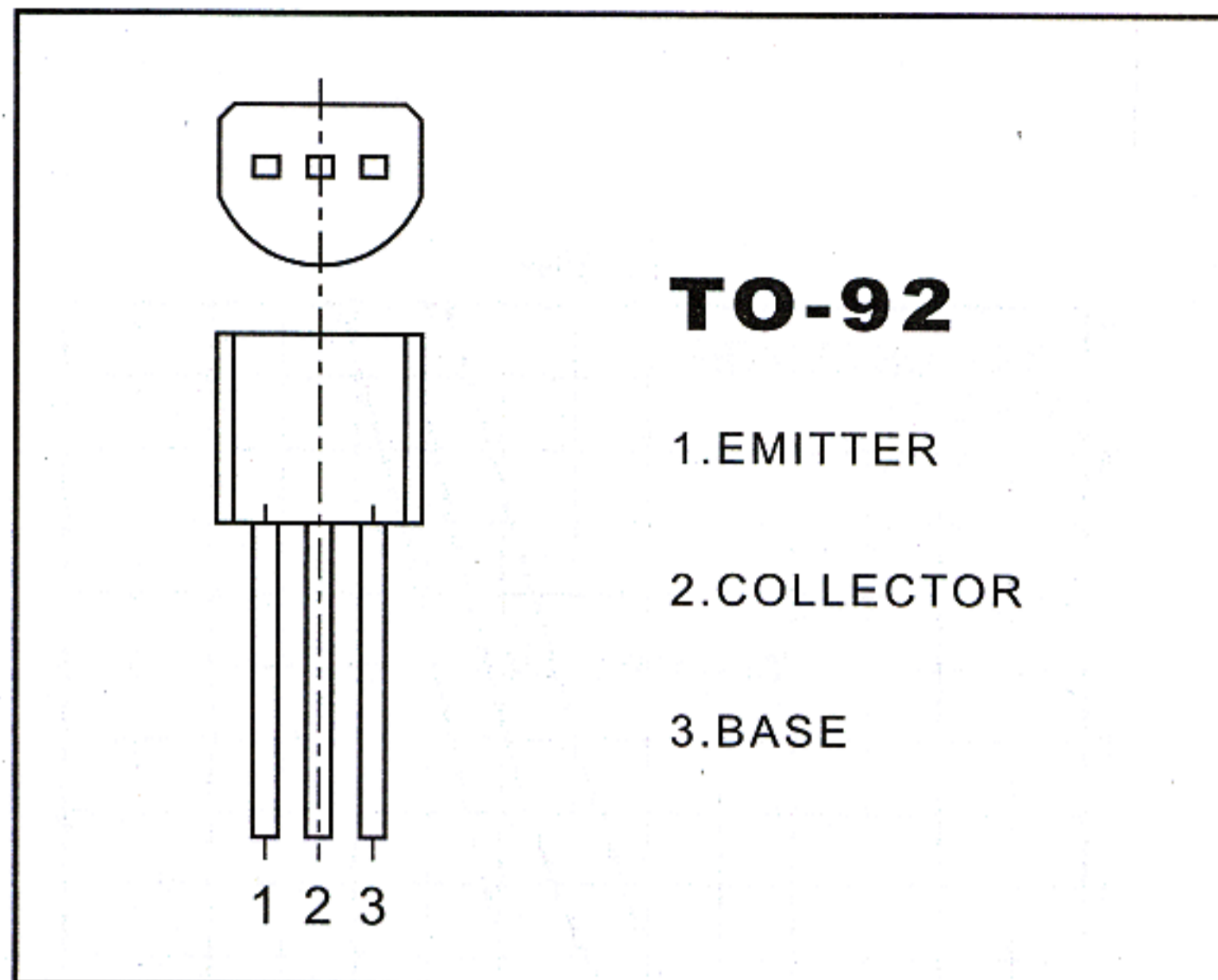


## 2SC3279 TRANSISTOR(NPN)



### FEATURES

#### Power dissipation

$P_{CM}$ : 0.75W ( $T_{amb}=25^{\circ}C$ )

#### Collector current

$I_{CM}$ : 2 A

#### Collector-base voltage

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

#### Operating and storage junction temperature range

$T_J, T_{stg}$ :  $-55^{\circ}C$  to  $+150^{\circ}C$

### ELECTRICAL CHARACTERISTICS

( $T_{amb}=25^{\circ}C$  unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=1mA, I_E=0$	30		V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=10mA, I_B=0$	10		V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=1mA, I_C=0$	6		V
Collector cut-off current	$I_{CBO}$	$V_{CB}=30V, I_E=0$		0.1	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB}=6V, I_C=0$		0.1	$\mu A$
DC current gain	$h_{FE}$	$V_{CE}=1V, I_C=0.5mA$	140	600	
Collector-emitter saturation voltage	$V_{CEsat}$	$I_C=2A, I_B=50mA$		0.5	V
Base-emitter voltage	$V_{BE}$	$V_{CE}=1V, I_C=2A$		1.5	V
Transition frequency	$f_t$	$V_{CE}=1V, I_C=0.5mA$ $f=30MHz$	100		MHz

### CLASSIFICATION OF $h_{FE}$

Rank	L	M	N	P
Range	140-240	200-330	300-450	420-600



