

### BC327/ BC328 TRANSISTOR (PNP)

#### FEATURES

Power dissipation

$P_{CM}$ : 0.625 W ( $T_{amb}=25^{\circ}C$ )

Collector current

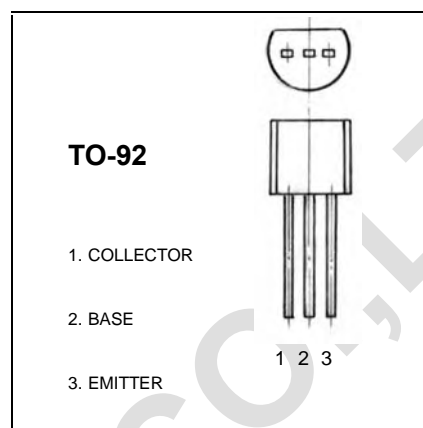
$I_{CM}$ : -0.8 A

Collector-base voltage

$V_{CBO}$ : BC327 -50 V  
BC328 -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	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{CBO}$	$I_C = -100\mu A, I_E = 0$	-50			V
	BC328		-30			V
Collector-emitter breakdown voltage	$V_{CEO}$	$I_C = -10 mA, I_B = 0$	-45			V
	BC328		-25			V
Emitter-base breakdown voltage	$V_{EBO}$	$I_E = -10\mu A, I_C = 0$	-5			V
Collector cut-off current	$I_{CBO}$	$V_{CB} = -45V, I_E = 0$			-0.1	$\mu A$
	BC328	$V_{CB} = -25V, I_E = 0$			-0.1	$\mu A$
Collector cut-off current	$I_{CEO}$	$V_{CE} = -40V, I_B = 0$			-0.2	$\mu A$
	BC328	$V_{CE} = -20 V, I_B = 0$			-0.2	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -4 V, I_C = 0$			-0.1	$\mu A$
DC current gain	$h_{FE(1)}$	$V_{CE} = -1V, I_C = -100mA$	100		630	
	$h_{FE(2)}$	$V_{CE} = -1V, I_C = -300mA$	40			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500 mA, I_B = -50 mA$			-0.7	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -500 mA, I_B = -50 mA$			-1.2	V
Transition frequency	$f_T$	$V_{CE} = -5V, I_C = -10mA$ $f = 100MHz$	260			MHz

#### $h_{FE}$ CLASSIFICATION

Classification	16	25	40
$h_{FE1}$	100-250	160-400	250-630
$h_{FE2}$	60-	100-	170-