

### BF420 TRANSISTOR (NPN) BF422

#### FEATURES

Power dissipation

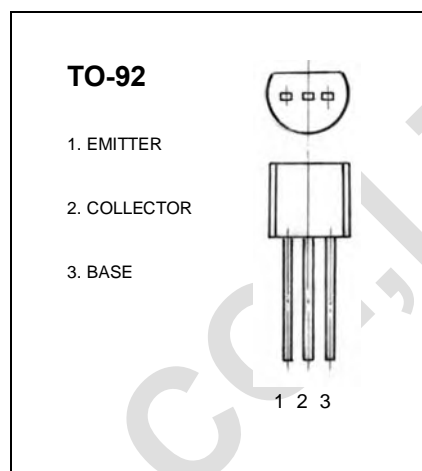
$P_{CM}$ : 0.83 W ( $T_{amb}=25^{\circ}C$ )

Collector current

$I_{CM}$ : 0.1 A

Collector-base voltage

$V_{(BR)CBO}$ : BF420 300 V  
BF422 250 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 BF420 BF422	$V_{CBO}$	$I_C=100\mu A, I_E=0$	300 250		V
Collector-emitter breakdown voltage BF420 BF422	$V_{CEO}$	$I_C=1mA, I_B=0$	300 250		V
Emitter-base breakdown voltage	$V_{EBO}$	$I_E=100\mu A, I_C=0$	5		V
Collector cut-off current	$I_{CBO}$	$V_{CB}=200V, I_E=0$		0.01	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB}=5V, I_C=0$		0.05	$\mu A$
DC current gain	$h_{FE(1)}$	$V_{CE}=20V, I_C=25mA$	50		
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=30mA, I_B=5mA$		0.6	V
Transition frequency	$f_T$	$V_{CE}=10V, I_C=10mA$ $f=100MHz$	60		MHz