

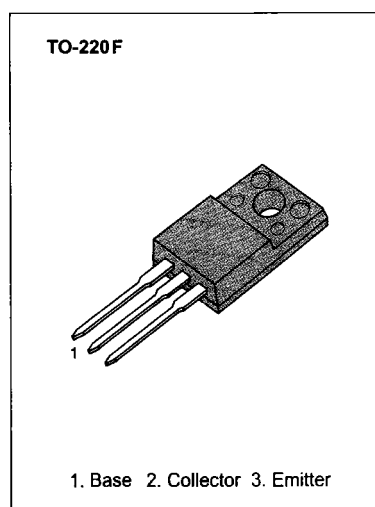
## PNP Transistor KSA1614 datasheet

### LOW FREQUENCY POWER AMPLIFIER POWER REGULATOR

- Collector Base Voltage:  $V_{CB0} = -80V$
- Collector Dissipation:  $P_C = 20W$  ( $T_C = 25^\circ C$ )

### ABSOLUTE MAXIMUM RATINGS ( $T_a = 25^\circ C$ )

Characteristic	Symbol	Rating	Unit
Collector Base Voltage	$V_{CB0}$	-80	V
Collector Emitter Voltage	$V_{CE0}$	-55	V
Emitter Base Voltage	$V_{EB0}$	-5	V
Collector Current	$I_C$	-3	A
Collector Dissipation ( $T_C = 25^\circ C$ )	$P_C$	20	W
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature	$T_{stg}$	-55~150	$^\circ C$



### ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	$B_{VCBO}$	$I_C = -500\mu A, I_E = 0$	-80			V
Collector Emitter Breakdown Voltage	$B_{VCE0}$	$I_C = -10mA, I_B = 0$	-55			V
Emitter Base Breakdown Voltage	$B_{VEBO}$	$I_E = -500\mu A, I_C = 0$	-5			V
Collector Cutoff Current	$I_{CBO}$	$V_{CB} = -50V, I_B = 0$			-50	$\mu A$
DC Current Gain	$h_{FE}$	$V_{CE} = -5V, I_C = -0.5A$	40		240	
Collector Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -1A, I_B = -0.1A$		-0.15	-0.5	V

### $h_{FE}$ CLASSIFICATION

Classification	R	O	Y
$h_{FE}$	40~80	70~140	120~240

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