

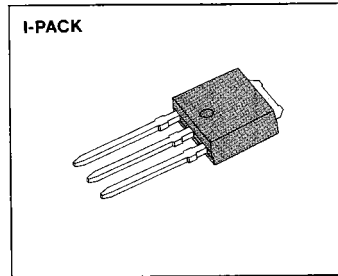
PNP Transistor KSA1243 datasheet

POWER AMPLIFIER APPLICATIONS

- Complement to KSC3073

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Collector Base Voltage	V _{CB0}	-30	V
Collector Emitter Voltage	V _{CE0}	-30	V
Emitter Base Voltage	V _{EB0}	-5	V
Base Current	I _B	-0.6	A
Collector Current	I _C	-3	A
Collector Dissipation (T _C =25°C)	P _C	1	W
Collector Dissipation (T _C =25°C)	P _C	10	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-55~150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Emitter Breakdown Voltage	BV _{CEO}	I _C =-10mA, I _B =0	-30			V
Emitter Base Breakdown Voltage	BV _{EBO}	I _E =-1mA, I _C =0	-5			V
Collector Cutoff Current	I _{CB0}	V _{CB} =-20V, I _E =0			-1	μA
Emitter Cutoff Current	I _{EB0}	V _{EB} =-5V, I _C =0			-1	μA
DC Current Gain	h _{FE1}	V _{CE} =-2V, I _C =-0.5A	70		240	
	h _{FE2}	V _{CE} =-2V, I _C =-2.5A	25			
Collector Emitter Saturation Voltage	V _{CE(sat)}	I _C =-2A, I _B =-0.2A		-0.3	-0.8	V
Base Emitter On Voltage	V _{BE(on)}	V _{CE} =-2V, I _C =-0.5A		-0.75	-1	V
Current Gain Bandwidth Product	f _T	V _{CE} =-2V, I _C =-0.5A		100		MHz
Output Capacitance	C _{ob}	V _{CB} =-10V, f=1MHz		40		pF

h_{FE}(1) CLASSIFICATION

Classification	O	Y
h _{FE1}	70~140	120~240

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