

KSA910 TRANSISTOR (PNP)

FEATURES

Power dissipation

$$P_{CM}: 0.8 \text{ W (Tamb=25°C)}$$

Collector current

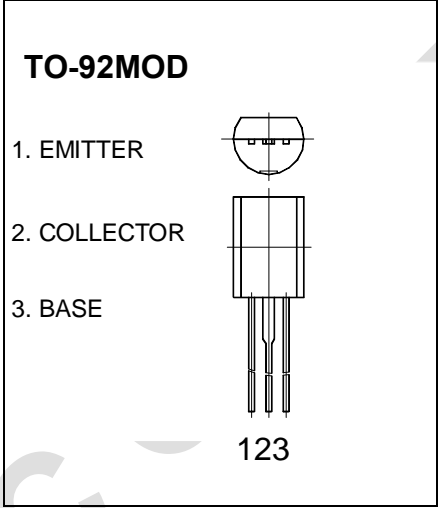
$$I_{CM}: -0.05 \text{ A}$$

Collector-base voltage

$$V_{(BR)CBO}: -150 \text{ V}$$

Operating and storage junction temperature range

$$T_J, T_{stg}: -55°C \text{ to } +150°C$$



ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -100\mu A, I_E = 0$	-150			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -5mA, I_B = 0$	-150			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -10\mu A, I_C = 0$	-5			V
Collector cut-off current	I_{CBO}	$V_{CB} = -150V, I_E = 0$			-0.1	μA
DC current gain	h_{FE}	$V_{CE} = -5V, I_C = -10mA$	40		240	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -10mA, I_B = -1mA$			-0.8	V
Transition frequency	f_T	$V_{CE} = -30V, I_C = -10mA$	80			MHz

CLASSIFICATION OF h_{FE}

Rank	R	O	Y
Range	40-80	70-140	120-240