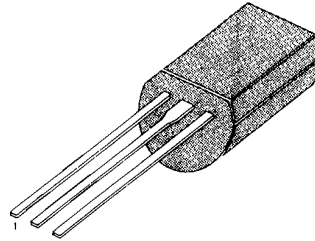


KSA1013**PNP EPITAXIAL SILICON TRANSISTOR****COLOR TV AUDIO OUTPUT
COLOR TV VERTICAL DEFLECTION OUTPUT****ABSOLUTE MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$)**

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-160	V
Collector-Emitter Voltage	V_{CEO}	-160	V
Emitter-Base Voltage	V_{EBO}	-6	V
Collector Current	I_C	-1	A
Base Current	I_B	-0.5	A
Collector Dissipation	P_C	900	W
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-55 ~ 150	$^{\circ}\text{C}$

TO-92L



1. Emitter 2. Collector 3. Base

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

Characteristic	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-off Current	I_{CBO}	$V_{CB} = -150\text{V}, I_E = 0$			-1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -6\text{mA}, I_C = 0$			-1	μA
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C = -10\text{mA}, I_B = 0$	-160			V
DC Current Gain	h_{FE}	$V_{CE} = -5\text{V}, I_C = -200\text{mA}$	60		320	V
Collector-Emitter Saturation Voltage	$V_{CE}(\text{sat})$	$I_C = -500\text{mA}, I_B = -50\text{mA}$			-1.5	V
Base-Emitter On Voltage	$V_{BE}(\text{on})$	$V_{CE} = -5\text{V}, I_C = -5\text{mA}$	-0.45		-0.75	MHZ
Current Gain Bandwidth Product	f_T	$V_{CE} = -5\text{V}, I_C = -200\text{mA}$	15	50	35	pF
Output Capacitance	C_{OB}	$V_{CB} = -10\text{V}, I_E = 0$ $f = 1\text{MHz}$				

 h_{FE} CLASSIFICATION

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

