



《风光欣》技术资料

A1013

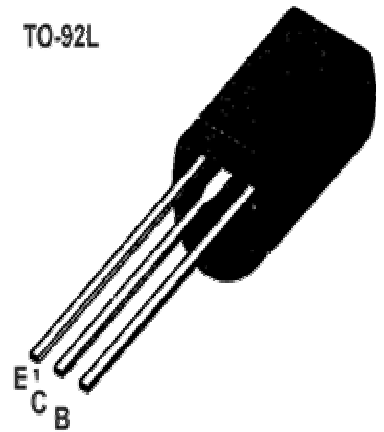
PNP EPITAXIAL SILICON TRANSISTOR

COLOR TV AUDIO OUTPUT

COLOR TV VERTICAL DEFLECTION OUTPUT

ABSOLUTE MAXIMUM RATINGS($T_A=25$)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CB0}	-160	V
Collector-Emitter Voltage	V_{CE0}	-160	V
Emitter -Base Voltage	V_{EB0}	-6	V
Collector Current	I_c	-1	A
Base Current	I_B	-0.5	A
Collector Dissipation	P_c	900	mW
Junction Temperature	T_J	150	
Storage Temperature	T_{STG}	-55 ~150	



ELECTRICAL CHARACTERISTICS ($T_a=25$)

Characteristic	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-off Current	I_{CB0}	$V_{CB} = -150V, I_E = 0$			-1	μA
Emitter Cut-off Current	I_{EB0}	$V_{EB} = -6mA, I_C = 0$			-1	μA
Collector-Emitter Breakdown Voltage	BV_{CE0}	$I_c = -10mA, I_B = 0$	-160			V
DC Current Gain	h_{FE}	$V_{CE} = -5V, I_c = -200mA$	60		320	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_c = -500mA, I_B = -50mA$			-1.5	V
Base -Emitter On Voltage	$V_{BE(on)}$	$V_{CE} = -5V, I_c = -5mA$	-0.45		-0.75	V
Current Gain-Bandwidth Product	f_T	$V_{CE} = -5V, I_c = -200mA$	15	50		MHz
Output Capacitance	C_{OB}	$V_{CB} = -10V, I_E = 0, f = 1MHz$			35	pF

HFE CLASSIFICATION

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