

2SA1275

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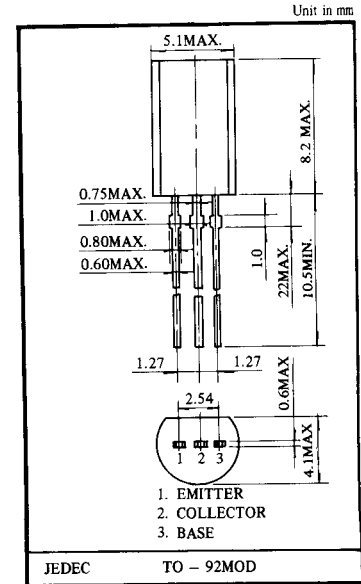
SILICON PNP TRANSISTOR EPITAXIAL PLANAR TYPE (PCT PROCESS)

APPLICATIONS

- Color TV VERT. Deflection Output.
- Color TV Class B Sound Output.

FEATURES

- High Voltage : $V_{CE0} = -160V$
- Large Continuous Collector Current Capability.
- Recommended for Vert. Deflection Output & Sound Output Applications for Line Operated TV.
- Complementary to 2SC3228.



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

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Base Current	I_B	-0.5	A
Collector Power Dissipation	P_C	900	mW
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature Range	T_{stg}	-55~150	$^\circ C$

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = -150V, I_E = 0$	-	-	-1.0	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -6V, I_C = 0$	-	-	-1.0	μA
Collector-Emitter Breakdown Voltage	$V_{BR,CE0}$	$I_C = -10mA, I_B = 0$	-160	-	-	V
DC Current Gain	$h_{FE(NOTE)}$	$V_{CE} = -5V, I_C = -200mA$	60	-	320	-
Collector-Emitter Saturation Voltage	$V_{CE, SAT}$	$I_C = -500mA, I_B = -50mA$	-	-	-1.5	V
Base-Emitter Voltage	V_{BE}	$V_{CE} = -5V, I_C = -5mA$	-0.45	-	-0.75	V
Transition Frequency	f_T	$V_{CE} = -5V, I_C = -200mA$	15	50	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$	-	-	35	pF

NOTE: According to h_{FE} , Classified as follows.

R	60-120	O	100-200	Y	160-320
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