



PRODUCT NAME : 2SA1013 PNP TV Output Transistor (Pack of 5)

PRICE : Rs 20.00

SKU : RM2116



NOTE: THE PRODUCT MAY BE DIFFERENT FROM IMAGE SHOWN ABOVE. Copyrights by Robomart.com

DESCRIPTION

Features

- Collector-Emitter Volt (V_{ce0}): 160V
- Collector-Base Volt (V_{cb0}): 160V
- Collector Current (I_c): 1.0A
- h_{fe} : 60-200 @ 200mA
- Power Dissipation (P_{tot}): 900mW
- Current-Gain-Bandwidth (f_{total}): 50MHz
- Type: PNP

TOSHIBA

2SA1013

TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

2SA1013

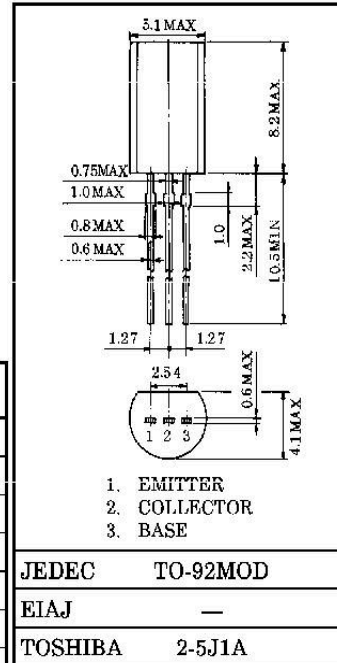
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS.
 COLOR TV CLASS B SOUND OUTPUT APPLICATIONS.

- High Voltage : $V_{CEO} = -160V$
- Large Continuous Collector Current Capability.
- Recommended for Vert. Deflection Output & Sound Output Applications for Line Operated TV.
- Complementary to 2SC2383.

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

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 Power Dissipation	P_C	900	mW
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature Range	T_{stg}	-55~150	$^\circ C$

Unit in mm



Weight : 0.36g

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	$V_{(BR)CEO}$	$I_C = -10mA, I_B = 0$	-160	—	—	V
DC Current Gain	h_{FE} (Note)	$V_{CE} = -5V, I_C = -200mA$	60	—	200	
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 : h_{FE} Classification R : 60~120, O : 100~200

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