

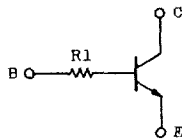
RN1010, 1011

SWITCHING, INVERTER CIRCUIT, INTERFACE CIRCUIT
AND DRIVER CIRCUIT APPLICATIONS.

FEATURES:

- . With Built-in Bias Resistors
- . Simplify Circuit Design
- . Reduce a Quantity of Parts and Manufacturing Process
- . Complementary to RN2010, RN2011

EQUIVALENT CIRCUIT



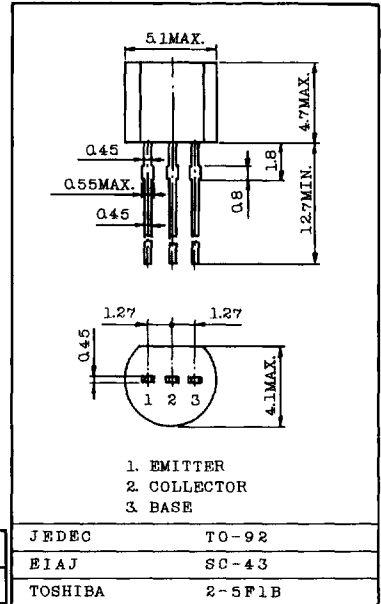
MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	50	V
Collector-Emitter Voltage	V _{CE0}	50	V
Emitter-Base Voltage	V _{EB0}	5	V
Collector Current	I _C	100	mA
Collector Power Dissipation	P _C	400	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CB0}	V _{CB} =50V, I _E =0	-	-	100	nA
Emitter Cut-off Current	I _{EB0}	V _{EB} =5V, I _C =0	-	-	100	nA
DC Current Gain	h _{FE}	V _{CE} =5V, I _C =1mA	120	-	700	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =5mA, I _B =0.25mA	-	0.1	0.3	V
Transition Frequency	f _T	V _{CE} =10V, I _C =5mA	-	250	-	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz	-	3	6	pF
Input Resistor	RN1010	R1	3.29	4.7	6.11	kΩ
	RN1011		7	10	13	

Unit in mm



Weight : 0.21g

