



Descriptions

- Switching application
- Interface circuit and driver circuit application

Features

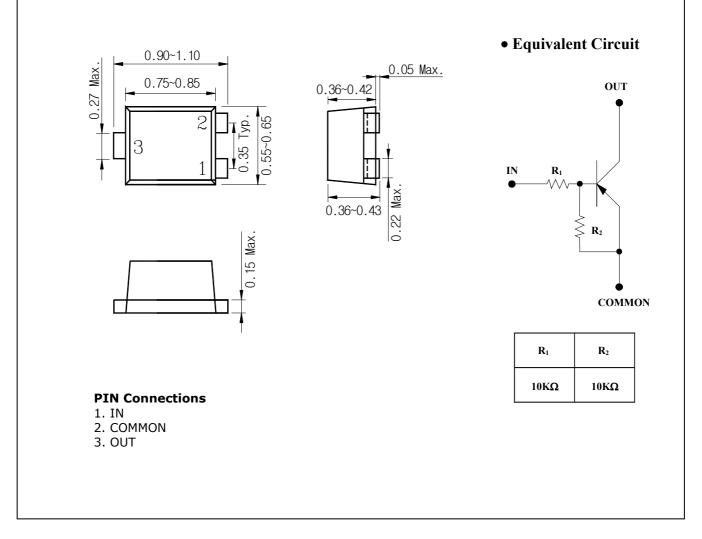
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary pair with NT353

Ordering Information

Type NO.	Marking	Package Code	
NT354	М	SOT-923	

Outline Dimensions

unit : mm



Absolute Maximum Ratings

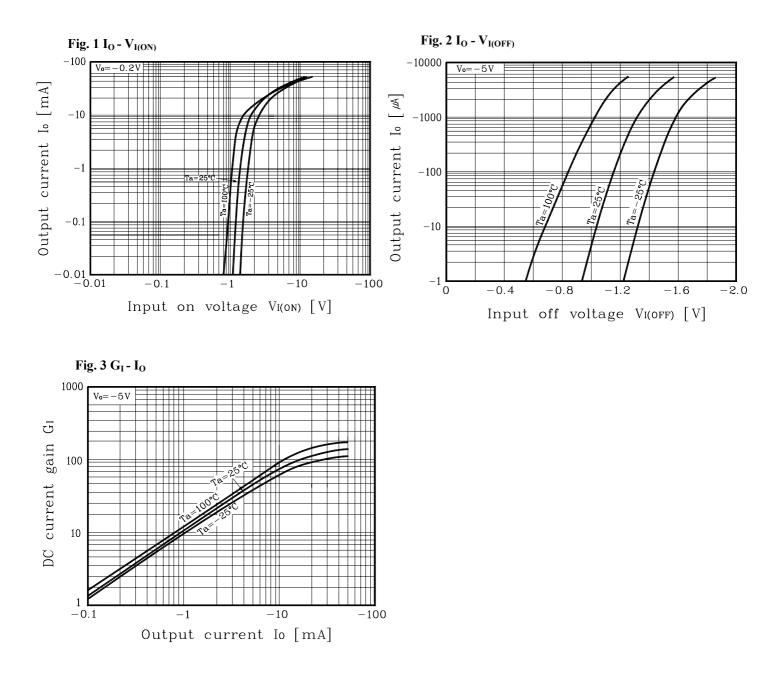
Absolute Maximum Ratings			(Ta=25°C)
Characteristic	Symbol	Rating	Unit
Output voltage	Vo	-20	V
Input voltage	VI	-15, 10	V
Output current	I _O	-50	mA
Power dissipation	P _D	50	mW
Junction temperature	Tյ	150	°C
Storage temperature range	T _{stg}	-55 ~ 150	°C

Electrical Characteristics

(Ta=25°C) Characteristic **Test Condition** Symbol Min. Typ. Max. Unit $V_0 = -20V, V_I = 0$ Output cut-off current _ -500 nA I_{O(OFF)} DC current gain $G_{\rm I}$ V₀=-5V, I₀=-10mA 60 -_ _ -Output voltage I₀=-5mA, I_I=-0.25mA -0.15 V V_{O(ON)} -V Input voltage (ON) $V_{I(ON)}$ V_0 =-0.2V, I_0 =-5mA -1.8 -2.4 -V Input voltage (OFF) V_{I(OFF)} V₀=-5V, I₀=-0.1mA -1.0 -1.2 f_{T}^{*} V₀=-10V, I₀=-5mA Transition frequency -200 MHz -Input current V_{I} =-5V, I_{O} =0 -0.88 mΑ I_{I} --7 KΩ Input resistor (Input to base) R_1 10 13 -7 KΩ Input resistor (Base to common) R_2 10 13 -

* : Characteristic of transistor only

Electrical Characteristic Curves



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