



●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Input voltage	$V_{I(off)}$	-	-	-0.5	V	$V_{CC}=-5V, I_o=-100\mu A$
	$V_{I(on)}$	-3.0	-	-		$V_o=-0.3V, I_o=-5mA$
Output voltage	$V_{O(on)}$	-	-100	-300	mV	$I_o=-10mA, I_i=-0.5mA$
Input current	$I_i$	-	-	-1.8	mA	$V_i=-5V$
Output current	$I_{o(off)}$	-	-	-500	nA	$V_{CC}=-50V, V_i=0V$
DC current gain	$G_i$	30	-	-	-	$V_o=-5V, I_o=-10mA$
Transition frequency	$f_t$ *	-	250	-	MHz	$V_{CE}=-10V, I_E=5mA, f=100MHz$
Input resistance	$R_i$	3.29	4.7	6.11	kΩ	-
Resistance ratio	$R_2/R_1$	0.8	1.0	1.2	-	-

\* Characteristics of built-in transistor

●Electrical characteristic curves

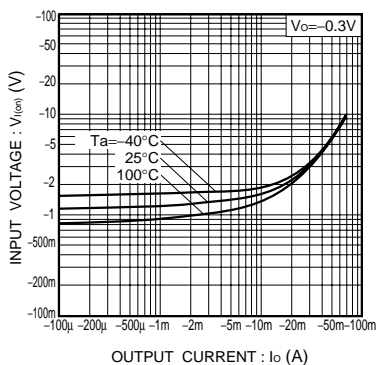


Fig.1 Input voltage vs. output current (ON characteristics)

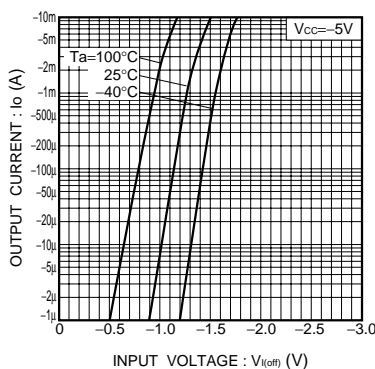


Fig.2 Output current vs. input voltage (OFF characteristics)

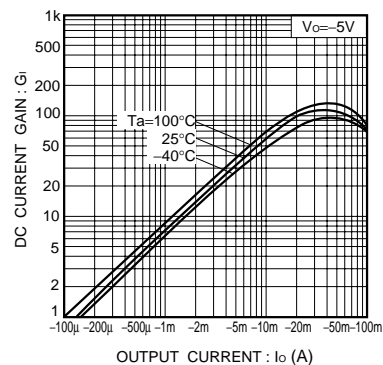


Fig.3 DC current gain vs. output current

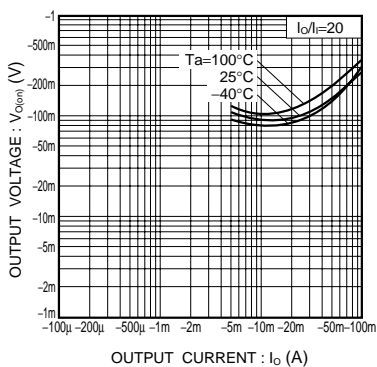


Fig.4 Output voltage vs. output current

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