

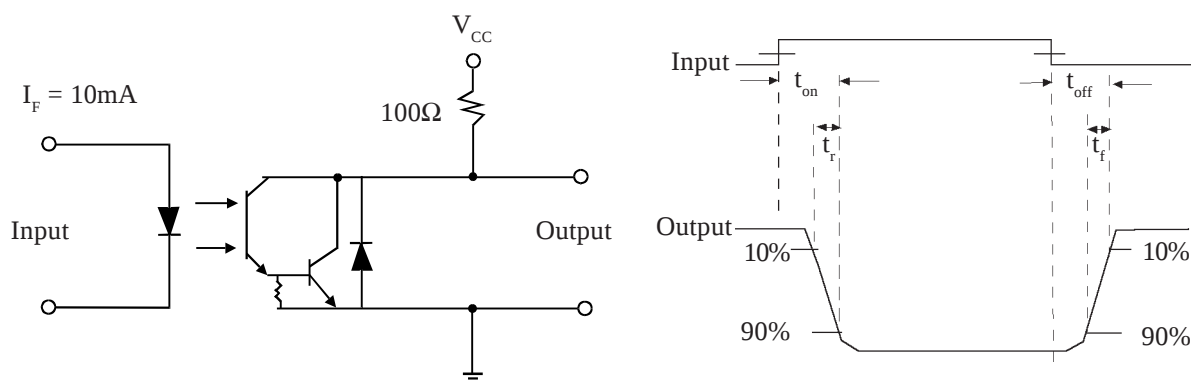
ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ Unless otherwise noted)

PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F)		1.2	1.5	V	$I_F = 10\text{mA}$
	Reverse Current (I_R)			10	μA	$V_R = 4\text{V}$
Output	Collector-emitter Breakdown (BV_{CEO})				V	$I_C = 1\text{mA}$
	H11G1	100			V	$I_C = 1\text{mA}$
	H11G2	80			V	$I_C = 1\text{mA}$
	H11G3	55			V	$I_C = 1\text{mA}$
	Collector-base Breakdown (BV_{CBO})				V	$I_C = 100\mu\text{A}$
	H11G1	100			V	$I_C = 100\mu\text{A}$
	H11G2	80			V	$I_C = 100\mu\text{A}$
	H11G3	55			V	$I_C = 100\mu\text{A}$
	Emitter-base Breakdown (BV_{EBO})	6			V	$I_E = 0.1\text{mA}$
	Collector-emitter Dark Current (I_{CEO})				nA	$V_{CE} = 80\text{V}$
Coupled	H11G1			100	nA	$V_{CE} = 60\text{V}$
	H11G2			100	nA	$V_{CE} = 30\text{V}$
	H11G3			100	nA	
	Collector Output Current (I_C)				mA	$10\text{mA } I_F, 1.2\text{V } V_{CE}$
	H11G1,H11G2	100			mA	$1\text{mA } I_F, 5\text{V } V_{CE}$
	H11G1,H11G2	5			mA	$1\text{mA } I_F, 5\text{V } V_{CE}$
	H11G3	2			mA	
	Collector-emitter Saturation Voltage $V_{CE(SAT)}$				V	$1\text{mA } I_F, 1\text{mA } I_C$
	H11G1,H11G2		1.0		V	$16\text{mA } I_F, 50\text{mA } I_C$
	H11G1,H11G2		1.2		V	$20\text{mA } I_F, 50\text{mA } I_C$
	H11G3		1.2		V	See note 1
	Input to Output Isolation Voltage V_{ISO}	5300			V_{RMS}	See note 1
		7500			V_{PK}	$V_{IO} = 500\text{V}$ (note 1)
	Input-output Isolation Resistance R_{ISO}	5×10^{10}	10^{11}		Ω	$V = 0, f = 1\text{MHz}$
	Input-output Capacitance C_f		0.6		pF	
	Response time (Rise), tr		100		μs	$I_C = 20\text{mA}, V_{CE} = 2\text{V}, R_L = 100\Omega$
	Response time (Fall), tf		20		μs	

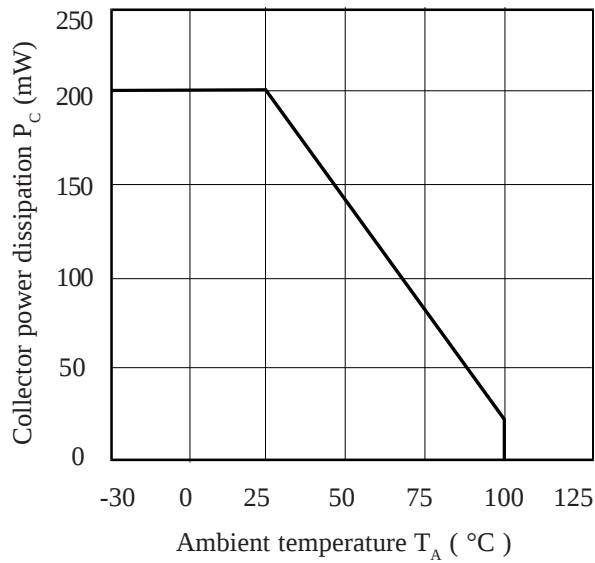
Note 1 Measured with input leads shorted together and output leads shorted together.

Note 2 Special Selections are available on request. Please consult the factory.

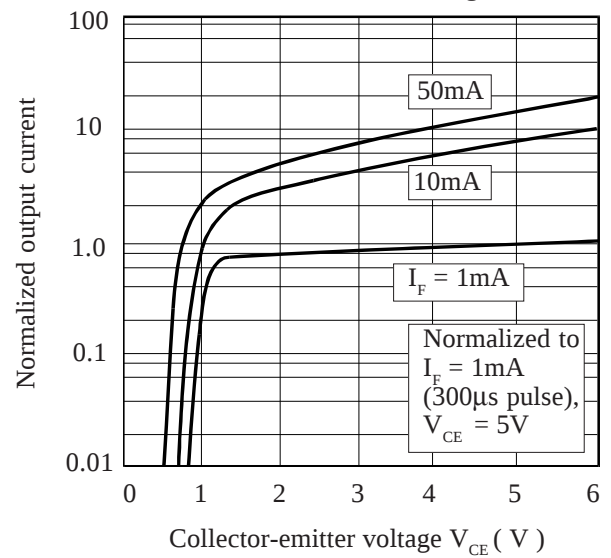
FIGURE 1



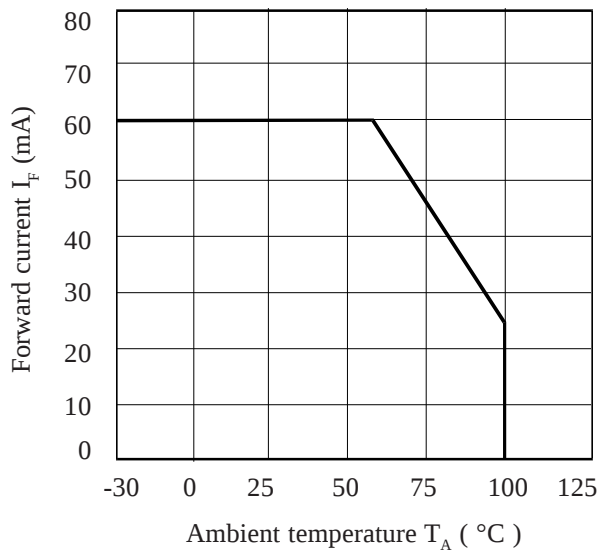
Collector Power Dissipation vs. Ambient Temperature



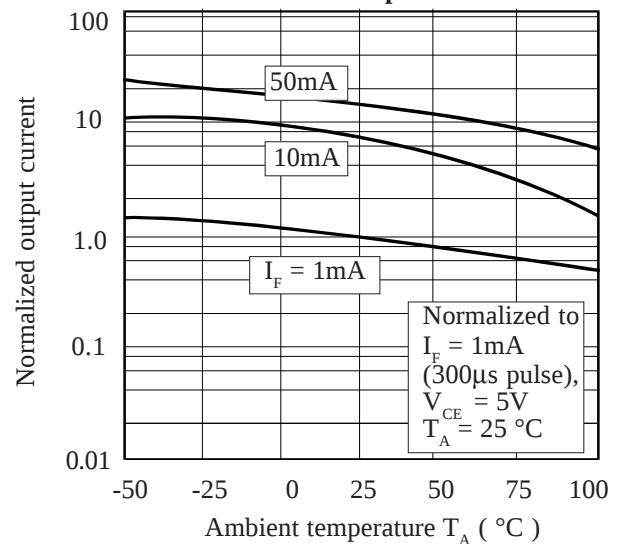
Normalized Output Current vs. Collector-emitter Voltage



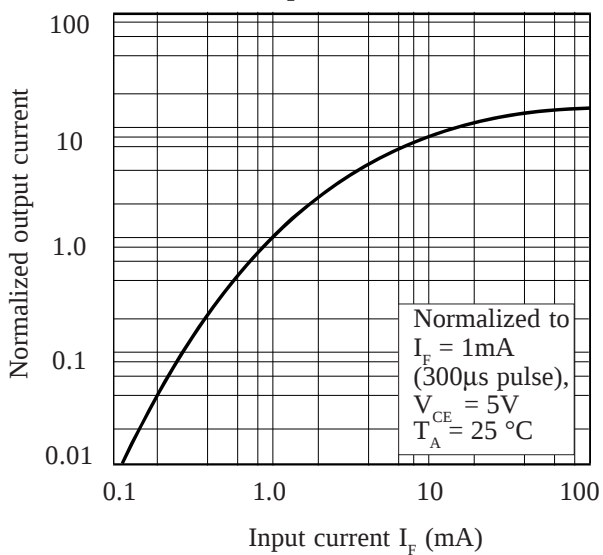
Forward Current vs. Ambient Temperature



Normalized Output Current vs. Ambient Temperature



Normalized Output Current vs. Input Current



Collector Dark Current vs. Ambient Temperature

