

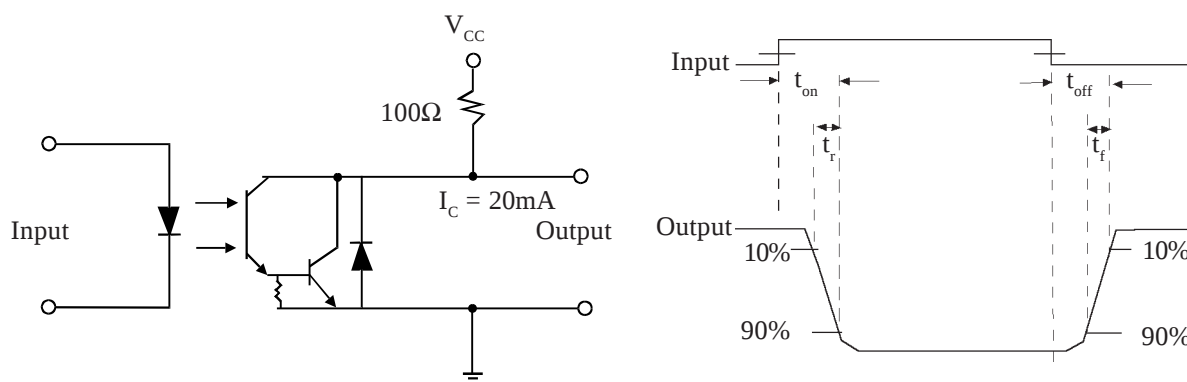
ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ Unless otherwise noted)

PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F)		1.2	1.4	V	$I_F = 10\text{mA}$
	Reverse Current (I_R)			10	μA	$V_R = 4\text{V}$
Output	Collector-emitter Breakdown (BV_{CEO})				V	$I_C = 1\text{mA}$
	IS660	200			V	$I_C = 1\text{mA}$
	IS661	300			V	$I_C = 1\text{mA}$
	IS662	400			V	$I_C = 1\text{mA}$
	Collector-base Breakdown (BV_{CBO})				V	$I_C = 0.1\text{mA}$
	IS660	200			V	$I_C = 0.1\text{mA}$
	IS661	300			V	$I_C = 0.1\text{mA}$
	IS662	400			V	$I_C = 0.1\text{mA}$
	Emitter-base Breakdown (BV_{EBO})	6			V	$I_E = 0.1\text{mA}$
	Collector-emitter Dark Current (I_{CEO})			1	μA	$V_{CE} = 200\text{V}$
	IS661, IS662			1	μA	$V_{CE} = 100\text{V}$
	IS660					
Coupled	Current Transfer Ratio (CTR)	1000	4000		%	$1\text{mA } I_F, 2\text{V } V_{CE}$
	Collector-emitter Saturation Voltage $V_{CE(SAT)}$			1.2	V	$20\text{mA } I_F, 100\text{mA } I_C$
	Input to Output Isolation Voltage V_{ISO}	5300			V_{RMS}	See note 1
		7500			V_{PK}	See note 1
	Input-output Isolation Resistance R_{ISO}	5×10^{10}			Ω	$V_{IO} = 500\text{V}$ (note 1)
	Input-output Capacitance C_f		1		pF	$V = 0, f = 1\text{MHz}$
	Cut-off frequency f_c	1			kHz	$V_{CE} = 2\text{V}, I_C = 20\text{mA}, R_L = 100\Omega, R_{BE} = \text{open}$
	Output Rise Time t_r			300	μs	$V_{CE} = 2\text{V}, I_C = 20\text{mA}, R_L = 100\Omega, R_{BE} = \text{open}$
	Output Fall Time t_f			100	μs	$R_L = 100\Omega, R_{BE} = \text{open}$

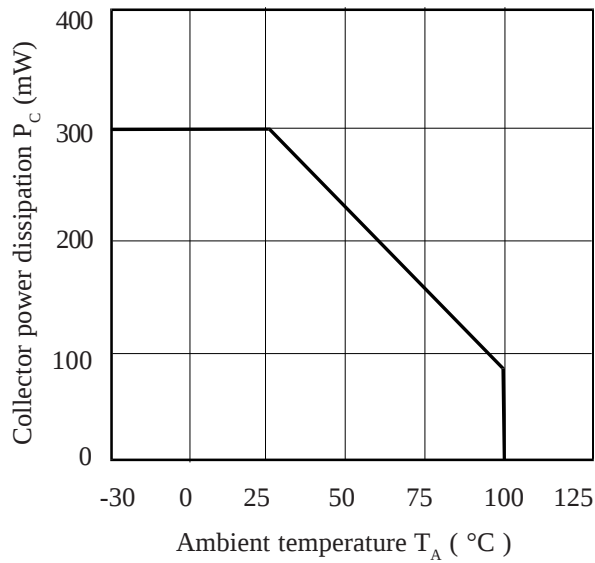
Note 1 Measured with input leads shorted together and output leads shorted together.

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

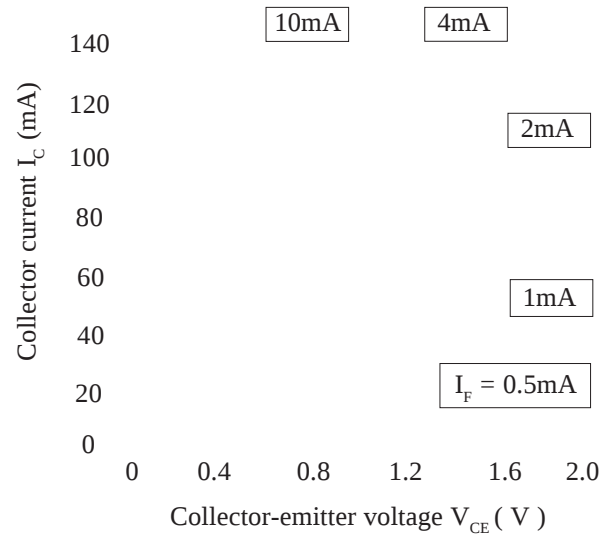
FIGURE 1



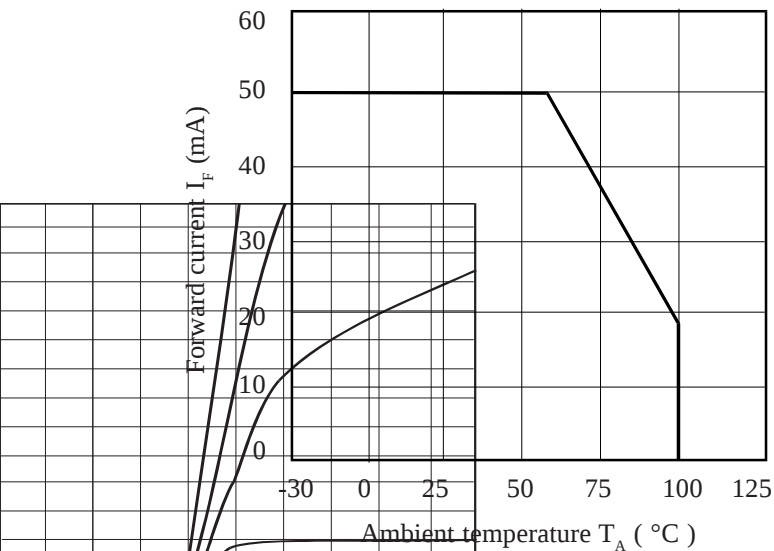
Collector Power Dissipation vs. Ambient Temperature



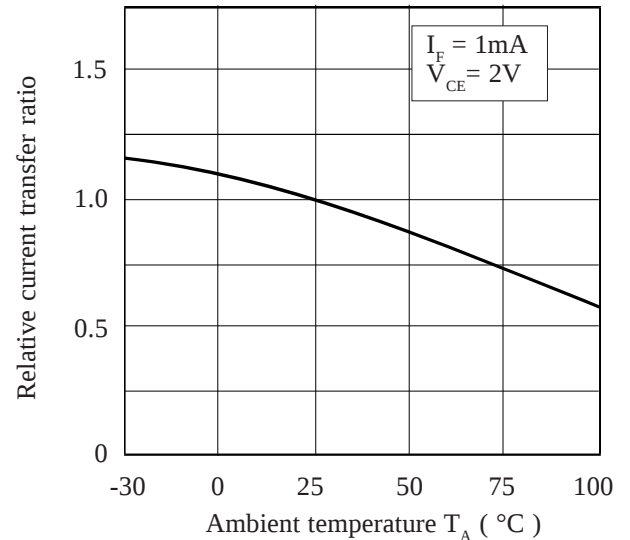
Collector Current vs. Collector-emitter Voltage



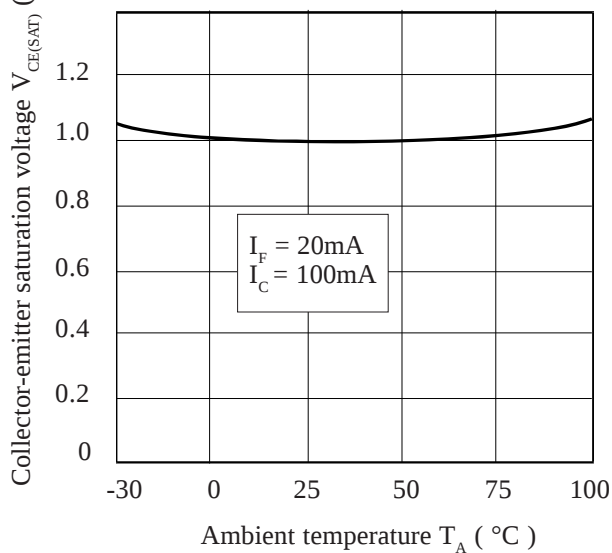
Forward Current vs. Ambient Temperature



Relative Current Transfer Ratio vs. Ambient Temperature



Collector-emitter Saturation Voltage vs. Ambient Temperature



Collector Dark Current vs. Ambient Temperature

