

ELECTRICAL CHARACTERISTICS (T_A = 25°C Unless otherwise noted)

PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V _F)		1.2	1.5	V	I _F = 10mA
	Reverse Current (I _R)			10	μA	V _R = 6V
Output	Collector-emitter Breakdown (BV _{CEO}) (note 2)	70			V	I _C = 1mA
	Collector-base Breakdown (BV _{CBO})	70			V	I _C = 100μA
	Emitter-collector Breakdown (BV _{ECO})	6			V	I _E = 100μA
	Collector-emitter Dark Current (I _{CEO})			50	nA	V _{CE} = 10V
Coupled	Current Transfer Ratio (CTR) H11AV1	100		300	%	10mA I _F , 10V V _{CE}
	H11AV2	50			%	10mA I _F , 10V V _{CE}
	H11AV3	20			%	10mA I _F , 10V V _{CE}
	Collector-emitter Saturation Voltage V _{CE(SAT)}			0.4	V	20mA I _F , 2mA I _C
	Input to Output Isolation Voltage V _{ISO}	5300 7500			V _{RMS} V _{PK}	See note 1 See note 1
	Input-output Isolation Resistance R _{ISO}	5x10 ¹⁰			Ω	V _{IO} = 500V (note 1)
	Rise Time, tr Fall Time, tf		2 2		μs μs	V _{CC} = 5V, fig 1 I _F = 10mA, R _L = 75Ω

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.

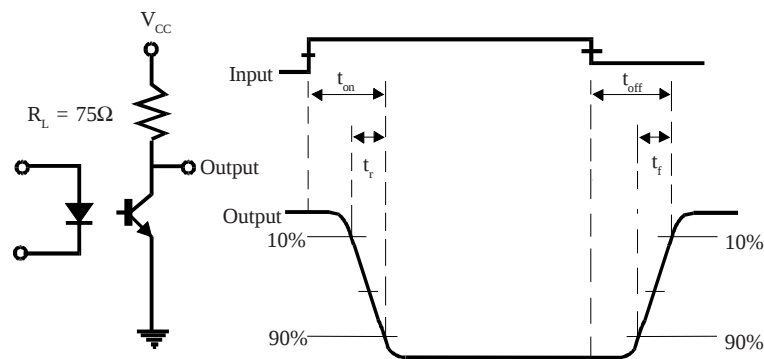
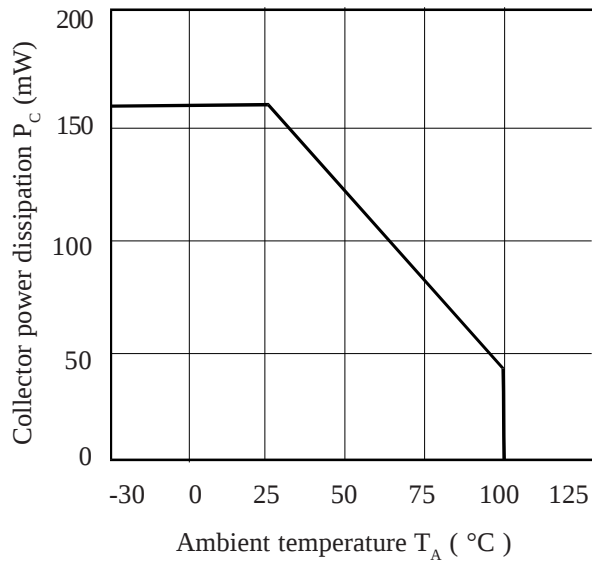
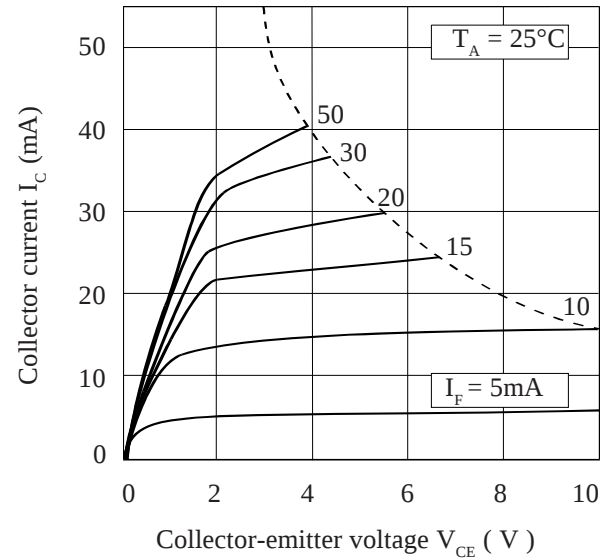


FIG 1

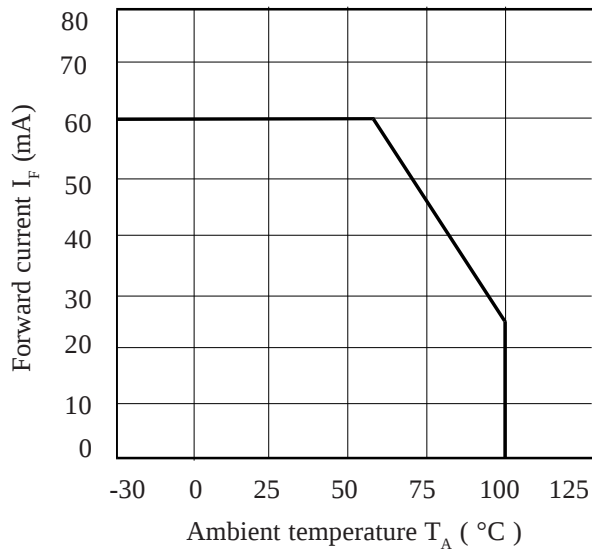
Collector Power Dissipation vs. Ambient Temperature



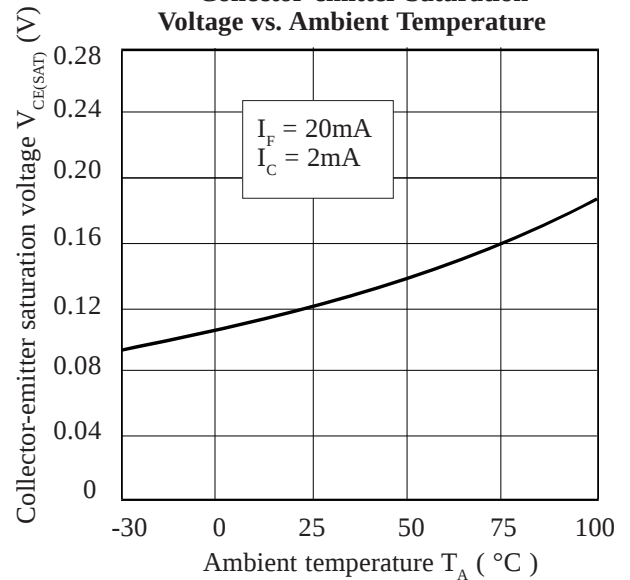
Collector Current vs. Collector-emitter Voltage



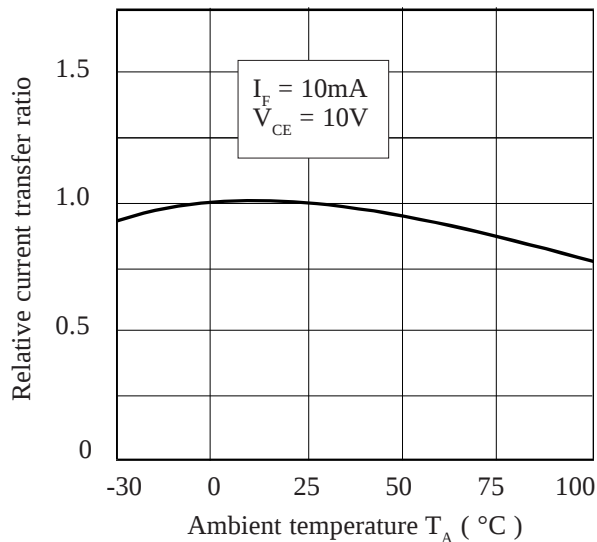
Forward Current vs. Ambient Temperature



Collector-emitter Saturation Voltage vs. Ambient Temperature



Relative Current Transfer Ratio vs. Ambient Temperature



Relative Current Transfer Ratio vs. Forward Current

