

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)	30			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) 4N25, 4N26	20			%	10mA I _F , 10V V _{CE}
	4N27, 4N28	10			%	10mA I _F , 10V V _{CE}
	Collector-emitter Saturation Voltage V _{CE(SAT)}			0.5	V	50mA I _F , 2mA 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}	5x10 ¹⁰			Ω	V _{IO} = 500V (note 1)
	Output Rise Time, tr		2		μs	V _{CC} = 5V, I _F = 10mA
	Output Fall Time, tf		2		μs	R _L = 75Ω, (FIG 1)

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.

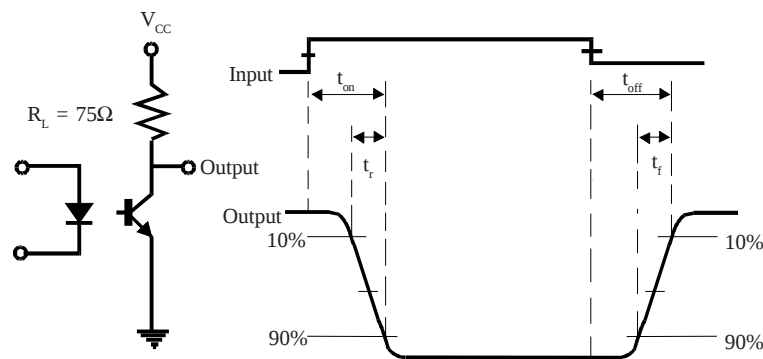
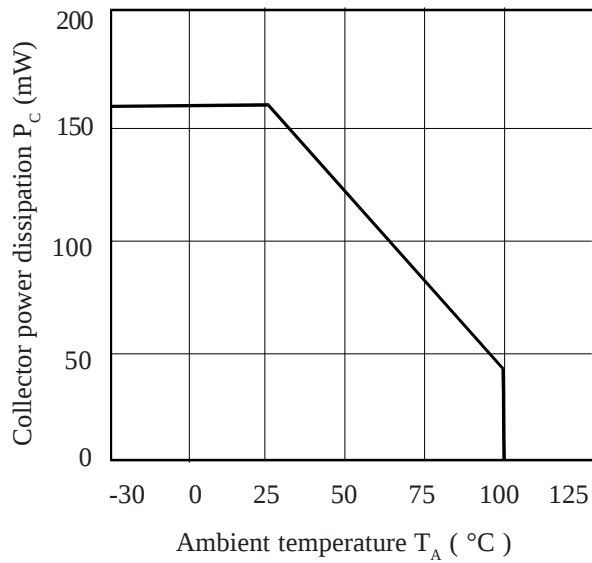
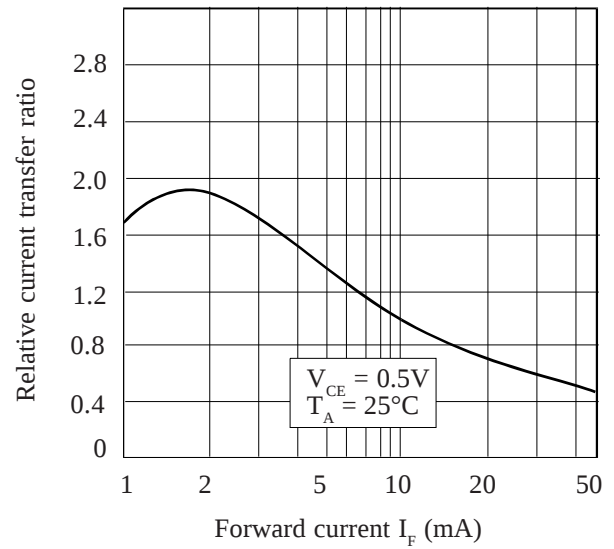


FIG 1

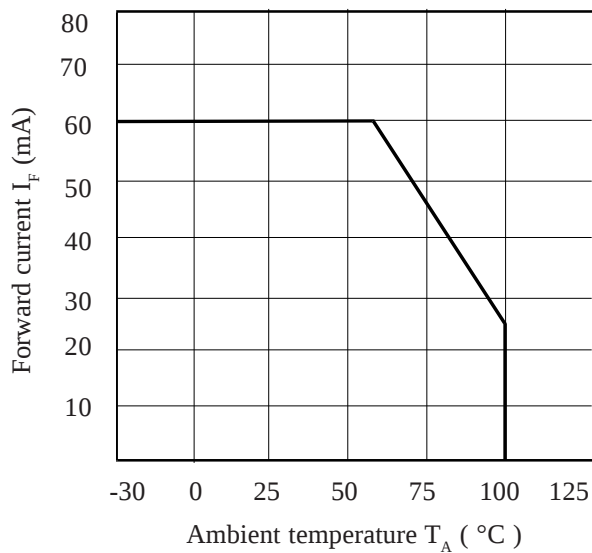
Collector Power Dissipation vs. Ambient Temperature



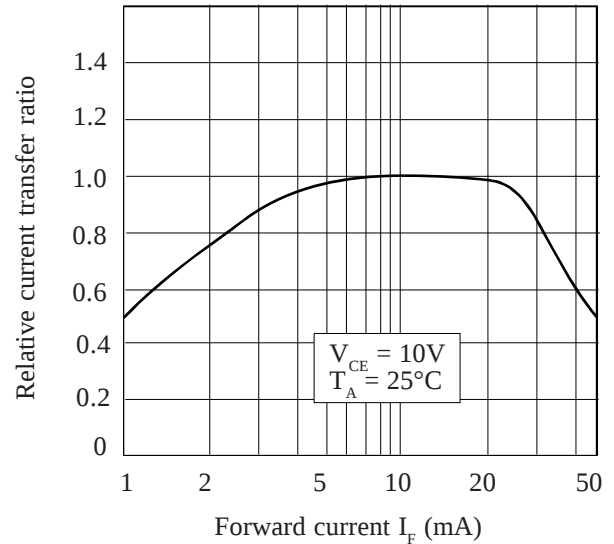
Relative Current Transfer Ratio vs. Forward Current



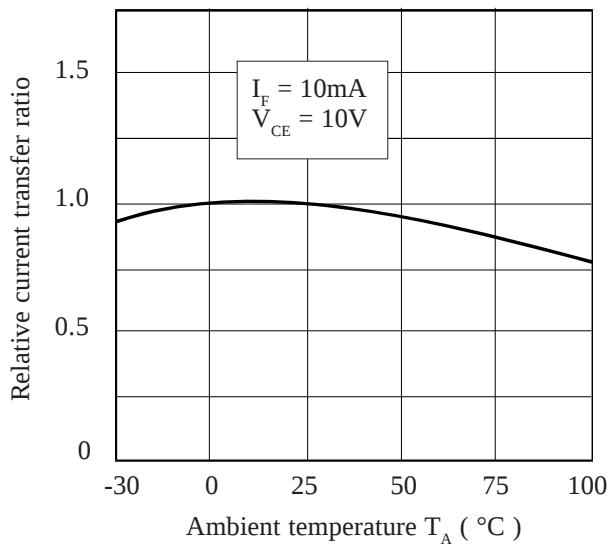
Forward Current vs. Ambient Temperature



Relative Current Transfer Ratio vs. Forward Current



Relative Current Transfer Ratio vs. Ambient Temperature



Collector-emitter Saturation Voltage vs. Ambient Temperature

