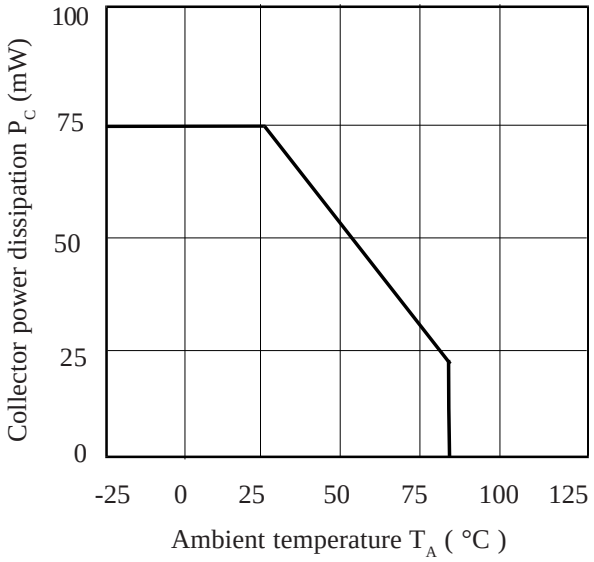
ELECTRICAL CHARACTERISTICS (T_A= 25°C Unless otherwise noted)

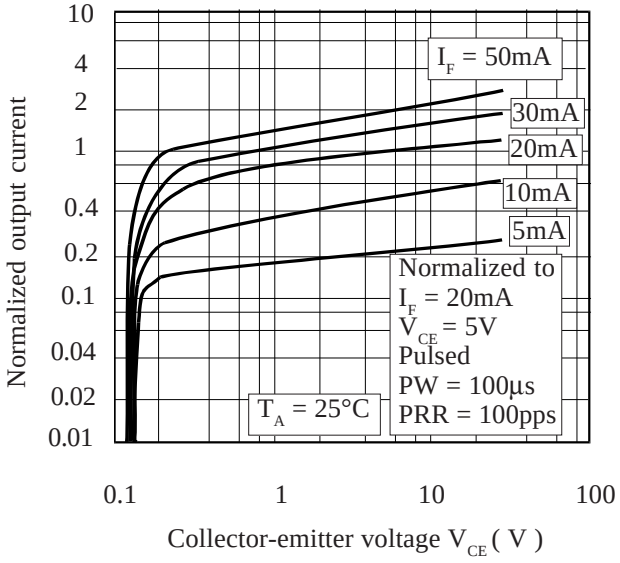
PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F)		1.2	1.7	V	I_F = 50mA
	Reverse Voltage (V_R)	5			V	I_R = 100µA
	Reverse Current (I_R)			100	µA	V_R = 5V
Output	Collector-emitter Breakdown (BV_{CEO})	30			V	I_C = 1mA
	Emitter-collector Breakdown (BV_{ECO})	5			V	I_E = 100µA
	Collector-emitter Dark Current (I_{CEO})			100	nA	V_{CE} = 10V
Coupled	On-State Collector Current I_C ($_{ON}$) (Note 1)					
	H21A1, H22A1	0.15			mA	5mA I_F, 5V V_{CE}
		1.0			mA	20mA I_F, 5V V_{CE}
		1.9			mA	30mA I_F, 5V V_{CE}
	H21A2, H22A2	0.3			mA	5mA I_F, 5V V_{CE}
		2.0			mA	20mA I_F, 5V V_{CE}
		3.0			mA	30mA I_F, 5V V_{CE}
	H21A3, H22A3	0.6			mA	5mA I_F, 5V V_{CE}
		4.0			mA	20mA I_F, 5V V_{CE}
		5.5			mA	30mA I_F, 5V V_{CE}
	Collector-emitter Saturation Voltage $V_{CE(SAT)}$					
	H21A2, 3, H22A2, 3			0.4	V	20mA I_F, 1.8mA I_C
	H21A1, H22A1			0.4	V	30mA I_F, 1.8mA I_C
	Turn-on Time ton		8		µs	V_{CC} = 5V ,
	Turn-off Time toff		50		µs	I_F = 30mA, R_L = 2.5kΩ

Note 1 Special Selections are available on request. Please consult the factory.

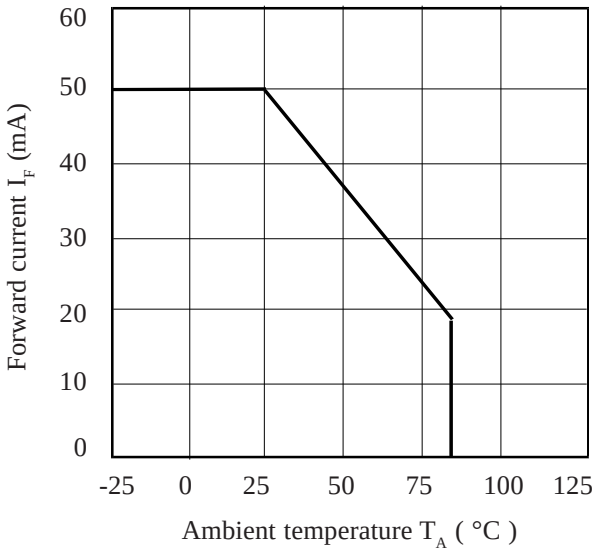
Collector Power Dissipation vs. Ambient Temperature



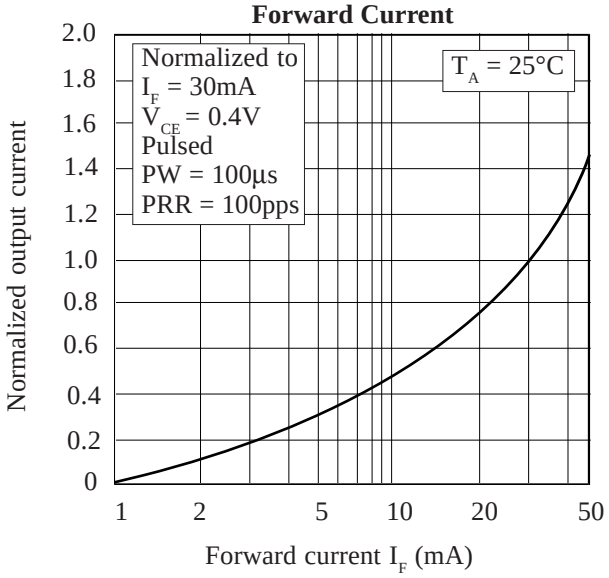
Normalized Output Current vs. Collector-emitter Voltage



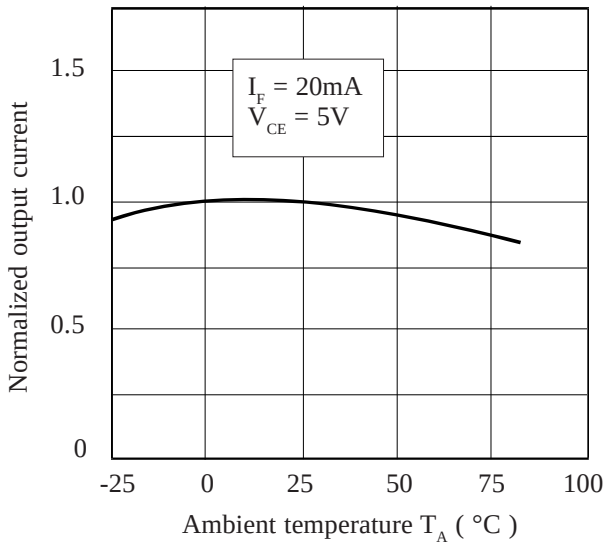
Forward Current vs. Ambient Temperature



Normalized Output Current vs. Forward Current



Normalized Output Current vs. Ambient Temperature



Collector-emitter Saturation Voltage vs. Ambient Temperature