

[illegible]

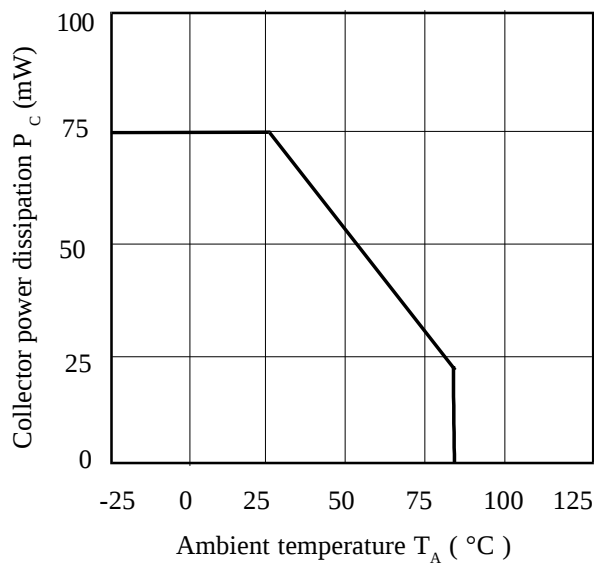
DB92007-AAS/A3

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

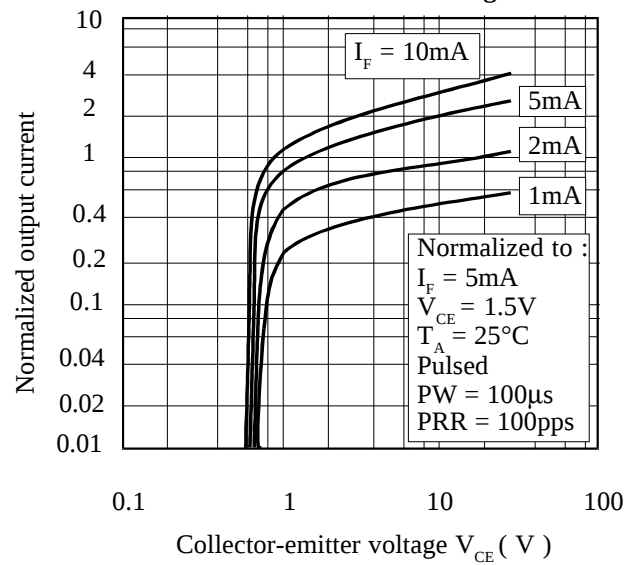
PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F)		1.2	1.7	V	$I_F = 50\text{mA}$
	Reverse Voltage (V_R)	5			V	$I_R = 1\mu\text{A}$
	Reverse Current (I_R)			100	μA	$V_R = 6\text{V}$
Output	Collector-emitter Breakdown (BV_{CEO}) (Note 1)					
	H21B4, 5, 6, H22B4, 5, 6	55			V	$I_C = 1\text{mA}$
	H21B1, 2, 3, H22B1, 2, 3	30			V	$I_C = 1\text{mA}$
	Emitter-collector Breakdown (BV_{ECO}) Collector-emitter Dark Current (I_{CEO})	6		1	V μA	$I_E = 100\mu\text{A}$ $V_{CE} = 10\text{V}$
Coupled	On-State Collector Current $I_{C(ON)}$ (Note 1)					
	H21B1, 4, H22B1, 4	0.5			mA	$2\text{mA } I_F, 1.5\text{V } V_{CE}$
		2.5			mA	$5\text{mA } I_F, 1.5\text{V } V_{CE}$
		7.5			mA	$10\text{mA } I_F, 1.5\text{V } V_{CE}$
	H21B2, 5, H22B2, 5	1.0			mA	$2\text{mA } I_F, 1.5\text{V } V_{CE}$
		5.0			mA	$5\text{mA } I_F, 1.5\text{V } V_{CE}$
		14			mA	$10\text{mA } I_F, 1.5\text{V } V_{CE}$
	H21B3, 6, H22B3, 6	2.0			mA	$2\text{mA } I_F, 1.5\text{V } V_{CE}$
		10			mA	$5\text{mA } I_F, 1.5\text{V } V_{CE}$
		25			mA	$10\text{mA } I_F, 1.5\text{V } V_{CE}$
	Collector-emitter Saturation Voltage $V_{CE(SAT)}$			1.0	V	$10\text{mA } I_F, 1.8\text{mA } I_C$
	H21B2, 3, 5, 6, H22B2, 3, 5, 6 only			1.5	V	$50\text{mA } I_F, 50\text{mA } I_C$
	Turn-on Time t_{on}		45		μs	$V_{CC} = 5\text{V}, I_F = 10\text{mA}, R_L = 750\Omega$
	Turn-on Time t_{on} (H21B2, 3, 5, 6, H22B2, 3, 5, 6 only)		7		μs	$V_{CC} = 5\text{V}, I_F = 50\text{mA}, R_L = 75\Omega$
	Turn-off Time t_{off}		250		μs	$V_{CC} = 5\text{V}, I_F = 10\text{mA}, R_L = 750\Omega$
	Turn-off Time t_{off} (H21B2, 3, 5, 6, H22B2, 3, 5, 6 only)		45		μs	$V_{CC} = 5\text{V}, I_F = 50\text{mA}, R_L = 75\Omega$

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

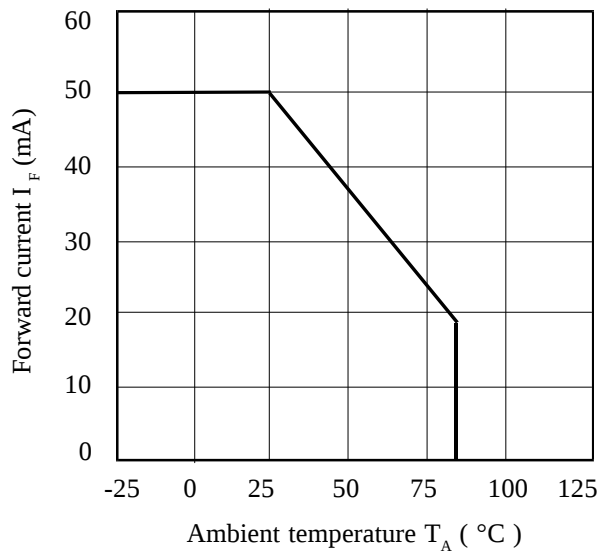
Collector Power Dissipation vs. Ambient Temperature



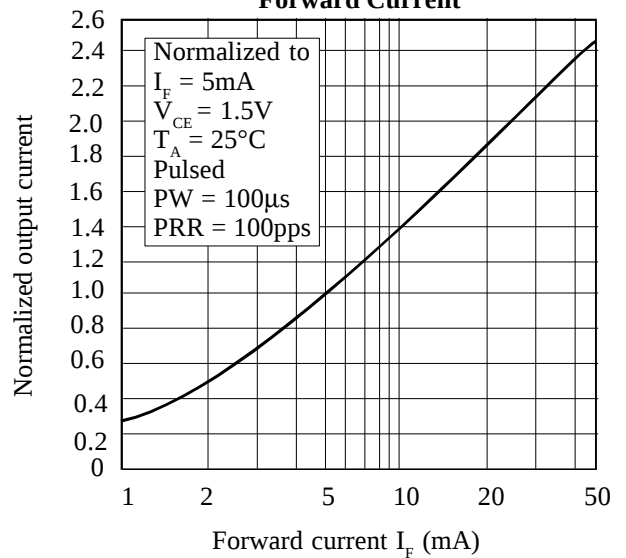
Normalized Output Current vs. Collector-emitter Voltage



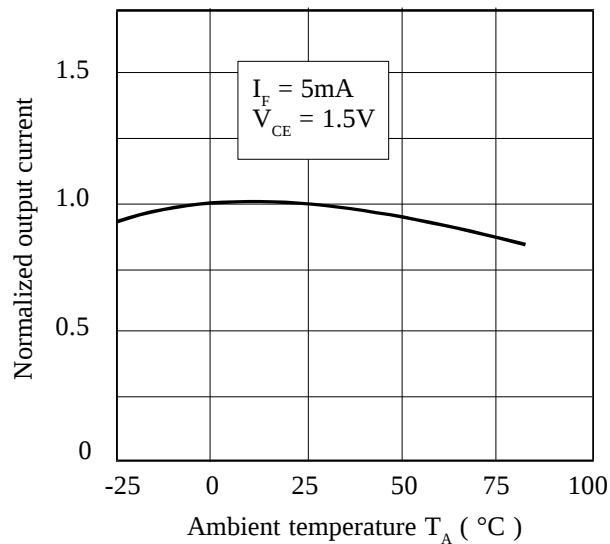
Forward Current vs. Ambient Temperature



Normalized Output Current vs. Forward Current



Normalized Output Current vs. Ambient Temperature



Collector-emitter Saturation Voltage vs. Ambient Temperature

