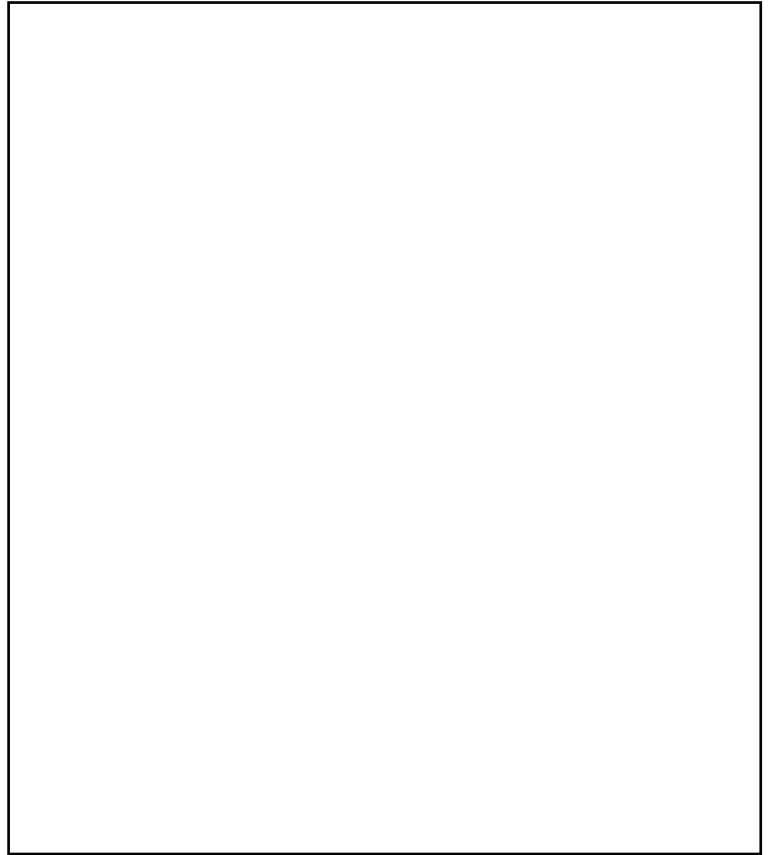




BRIGHT LED ELECTRONICS CORP.

BPC-817S



<http://www.brtled.com>



Electro-Optical Characteristics (Ta=25°C)

Parameter		Symbol	Conditions	MIN.	TYP.	MAX.	Unit
INPUT	Forward Voltage	V_F	$I_F=20mA$	---	1.2	1.4	V
	Reverse Current	I_R	$V_R=6V$	---	---	10	μA
	Terminal Capacitance	C_t	$V=0, f=1KHz$	---	30	250	pF
	Collector Dark Current	I_{CEO}	$V_{CE}=20V, I_F=0$	---	---	100	nA
	Collector-Emitter Breakdown Voltage	BV_{CEO}					

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CHARACTERISTICS CURVES

Fig.1 Forward Current vs. Ambient Temperature

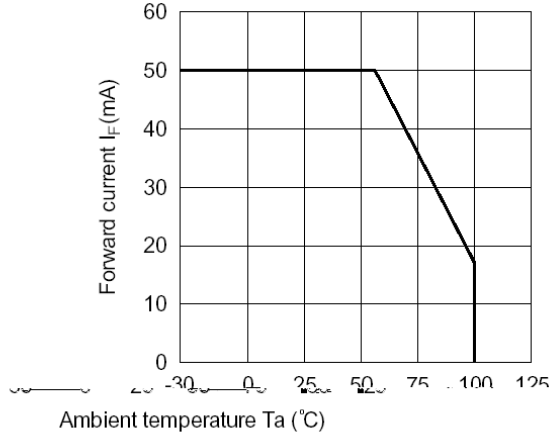


Fig.2 Collector Power Dissipation vs. Ambient Temperature

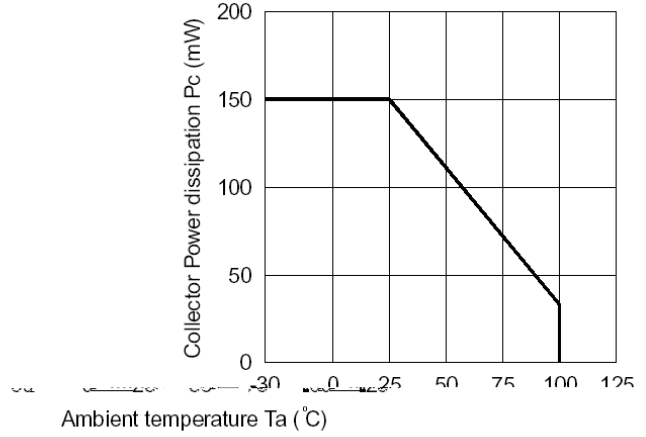


Fig.4 Forward Current vs. Forward Voltage

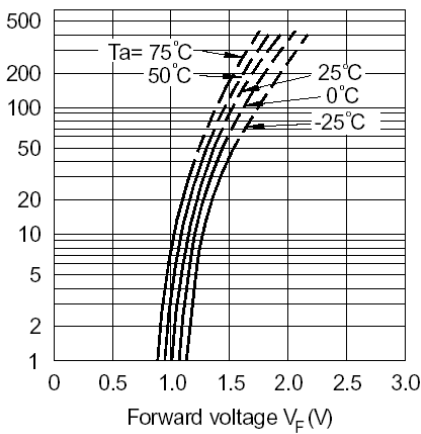


Fig.3 Collector-emitter Saturation Voltage vs. Forward Current

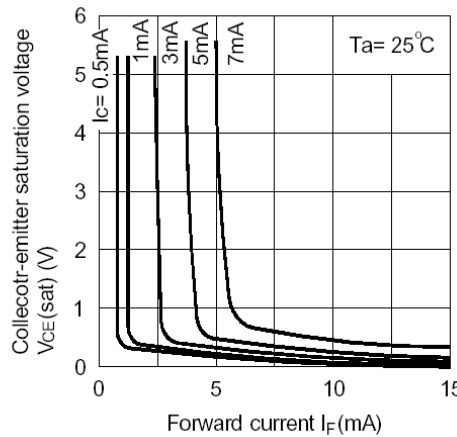


Fig.6 Collector Current vs. Collector-emitter Voltage

Fig.5 Collector Current vs. Collector-emitter Voltage

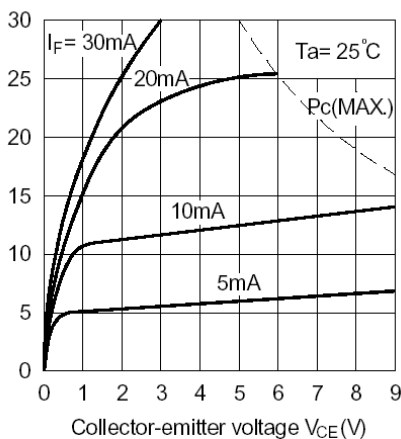


Fig.5 Current Transfer Ratio vs. Forward Current

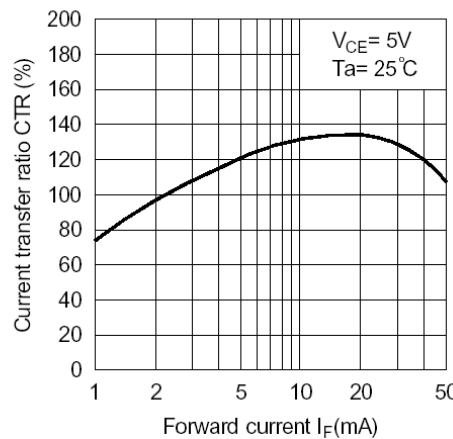


Fig.6 Collector Current vs. Collector-emitter Voltage

Forward current I_F (mA)

Collector current I_C (mA)

