

[Technical parameters (Ambient Temperature 25°C)]

■ I/O Absolute Maximum Ratings

Item			Symbol	BCW414S
Operating Temperature			T _{OPR}	-40°C ~ +85°C
Storage Temperature			T _{STG}	-40°C ~ +100°C
Input	Continuous LED Current	MAX.	I _F	50mA
	Peak LED Current LED (f=100Hz,Duty=1%)	MAX.	I _{FP}	1000mA
	LED Reverse Voltage	MAX.	V _R	5V
	Input Power Dissipation	MAX.	P _{IN}	75mW
Output	Load Voltage	MAX.	V _L	400V(AC peak or DC)
	Load Current	MAX.	I _L	100mA
	Peak Load Current (1ms,1shot)	MAX.	I _{PEAK}	300mA
	Output Power Dissipation	MAX.	P _{OUT}	600mW
Total Allowable Power Dissipation		MAX.	P _T	650mW
I/O Breakdown Voltage		MAX.	V _{I/O}	1500Vrms
I/O Breakdown Voltage (Add H)		MAX.	V _{I/O}	3750Vrms

■ Electrical Specifications

Item		Symbol	MIN.	TYP.	MAX.	Units	Conditions
Input	LED Forward Voltage	V _F		1.3	1.5	V	I _F =10mA
	Operation LED Current	I _{F ON}		0.5	3.0	mA	
	Recovery LED Voltage	V _{FOFF}	0.5			V	
Output	On-Resistance	R _{ON}		20	50	Ω	I _F =0mA,I _L =Rating, within 1sec.
	Off-State Leakage Current	I _{LEAK}			1	μA	I _F =5mA,V _L =400V
	Output Capacitance	C _{OUT}		165		pF	I _F =5mA,V _L =0V, f=1MHz
Time parameter	Turn-On Time	T _{ON}		0.1	1.0	ms	I _F =5mA, I _L =100mA
	Turn-Off Time	T _{OFF}		0.5	3.0	ms	
I/O	I/O Insulation Resistance	R _{I/O}	1000			MΩ	DC500V
	I/O Capacitance	C _{I/O}		0.8		pF	f=1MHz

Characteristic curve

