



PHOTOINTERRUPTERS

(Ta=25°C)

PG-23FI

Absolute Maximum Ratings

IF (mA)	VR (V)	Pd (mW)	VCEO (V)	IC (mA)	PC (mW)	Topt. (°C)
60	5	100	30	40	100	-20 ~ +85
Vf (V)	IR (μA)	ICEO (A)	IL (mA)	VCE (sat) (V)	tr (μsec.)	
IF=30mA	VR=5V	VCEO=10V	IF=20mA, VCE=5V	IF=30mA, IC=0.1mA	IC=2mA, RL=100Ω	
Max. 1.5	Max. 10	Max. 1x10 ⁻⁷	Min. 0.3	Max. 0.4	Typ. 5	

PG-23FQ

Absolute Maximum Ratings

IF (mA)	VR (V)	Pd (mW)	VCEO (V)	IC (mA)	PC (mW)	Topt. (°C)
60	5	100	30	40	100	-20 ~ +85
Vf (V)	IR (μA)	ICEO (A)	IL (mA)	VCE (sat) (V)	tr (μsec.)	
IF=30mA	VR=5V	VCEO=10V	IF=20mA, VCE=5V	IF=20mA, IC=1mA	—	
Max. 1.5	Max. 10	Max. 1x10 ⁻⁶	Min. 0.3	Max. 1.2	—	

SG-23FT

Absolute Maximum Ratings

IF (mA)	VR (V)	Pd (mW)	VCEO (V)	IC (mA)	PC (mW)	Topt. (°C)
60	5	100	30	40	100	-20 ~ +85
Vf (V)	IR (μA)	ICEO (A)	IL (mA)	VCE (sat) (V)	tr (μsec.)	
IF=30mA	VR=5V	VCEO=10V	IF=20mA, VCE=5V	IF=30mA, IC=0.1mA	IC=2mA, RL=100Ω	
Max. 1.5	Max. 10	Max. 1x10 ⁻⁷	Min. 0.3	Max. 0.4	Typ. 5	

SG-27N

Absolute Maximum Ratings

IF (mA)	VR (V)	Pd (mW)	VCEO (V)	IC (mA)	PC (mW)	Topt. (°C)
100	5	100	—	—	150	-20 ~ +80
Vf (V)	IR (μA)	Id (A)	Vo (mV)	VCE (sat) (V)	tr (μsec.)	
IF=30mA	VR=5V	VR=10V	IF=50mA, RL=1KΩ	—	—	
Max. 1.5	Max. 10	Max. 1x10 ⁻⁶	Typ. 50	—	—	

SG-7L4

Absolute Maximum Ratings

IF (mA)	VR (V)	Pd (mW)	VCEO (V)	IC (mA)	PC (mW)	Topt. (°C)
60	4	80	20	20	75	-20 ~ +65
Vf (V)	IR (μA)	ICEO (A)	IL (mA)	VCE (sat) (V)	tr (μsec.)	
IF=30mA	VR=4V	VCEO=10V	IF=20mA, VCE=5V	IF=30mA, IC=0.1mA	IC=2mA, RL=100Ω	
Max. 1.5	Max. 10	Max. 1x10 ⁻⁷	Min. 0.1	Max. 0.4	Typ. 5	

LG-0601

Absolute Maximum Ratings

Vcc max. (V)	Vout (V)	IOL (mA)	Topt. (°C)
8	16	30	-25 ~ +75
Vcc (V)	VOH (V)	VOL (V)	f (Hz)
—	VCC=5V, RL=47KΩ	VCC=5V, IOL=1.5mA	VCC=5V, RL=47KΩ
5±10%	Min. 4.5	Max. 0.4	3,000
			Icc (mA)
			VCC=5V

LG-0701

Absolute Maximum Ratings

Vcc max. (V)	Vout (V)	IOL (mA)	Topt. (°C)
16	16	16	-25 ~ +75
Vcc (V)	VOH (V)	VOL (V)	f (Hz)
—	VCC=5V, RL=10KΩ	VCC=5V, RL=15mA	—
4.5 ~ 16	Min. 4	Max. 0.4	—
			Icc (mA)
			VCC=16V
			Max. 1.0