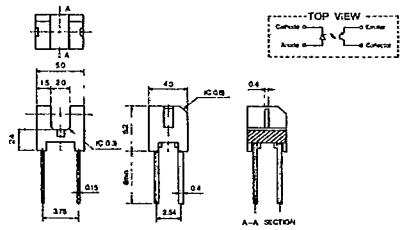
PHOTOINTERRUPTERS

(Ta=25°C)

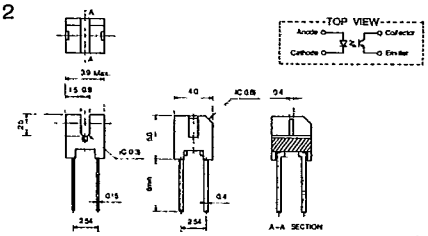
SG-211



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°C)
50	5	75	30	20	75	−25～+85

VF(V)	IR(μA)	ICEO(A)	IL(mA)	VCE(sat)(V)	tr(μsec.)
IF=20mA	VR=5V	VCEO=10V	IF=10mA, VCE=5V	IF=10mA, IC=30μA	IC=0.1mA, RL=1KΩ
Max. 1.4	Max. 10	Max.1x10^{-7}	Min.0.25	Max. 0.4	Typ. 50

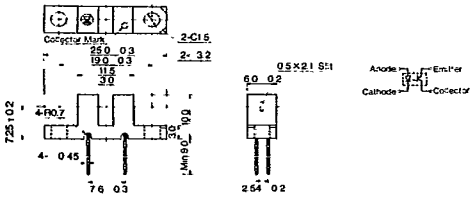
SG-212



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°C)
50	5	75	30	20	75	−25～+80

VF(V)	IR(μA)	ICEO(A)	IL(mA)	VCE(sat)(V)	tr(μsec.)
IF=20mA	VR=5V	VCEO=10V	IF=10mA, VCE=5V	IF=10mA, IC=30μA	IC=0.1mA, RL=1KΩ
Max. 1.4	Max. 10	Max.1x10^{-7}	Min. 0.5	Max. 0.4	Typ. 50

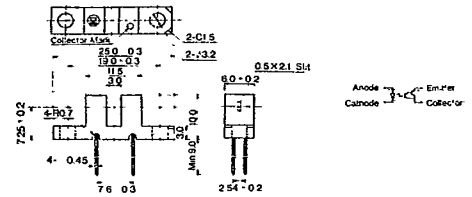
SG-23FF



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°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

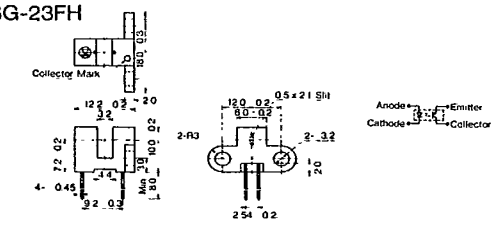
PG-23FF



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°C)
60	5	100	30	50	100	−20～+85

VF(V)	IR(μA)	ICEO(A)	IL(mA)	VCE(sat)(V)	tr(μsec.)
IF=30mA	VR=5V	VCEO=10V	VCE=5V, IF=5mA	IF=30mA, IC=1mA	IC=5mA, RL=100Ω
Max. 1.5	Max. 10	Max. 1x10^{-6}	Min. 2	Max. 1.5	Typ. 65

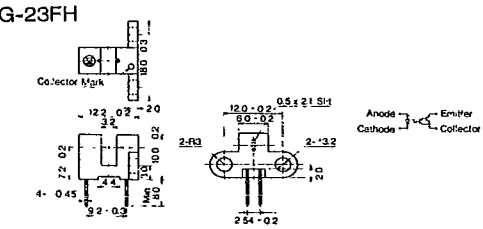
SG-23FH



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°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

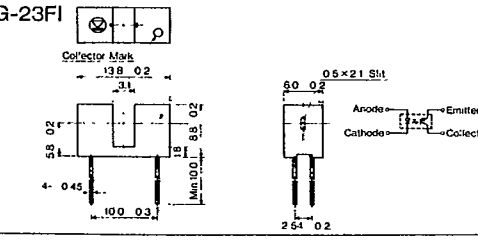
PG-23FH



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°C)
60	5	100	30	50	100	−20～+85

VF(V)	IR(μA)	ICEO(A)	IL(mA)	VCE(sat)(V)	tr(μsec.)
IF=30mA	VR=5V	VCEO=10V	VCE=5V, IF=5mA	IF=30mA, IC=1mA	IC=5mA, RL=100Ω
Max. 1.5	Max. 10	Max. 1x10^{-6}	Min. 2	Max. 1.5	Typ. 65

SG-23FI



Absolute Maximum Ratings						
IF(mA)	VR(V)	PD(mW)	VCEO(V)	IC(mA)	PC(mW)	Topr.(°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

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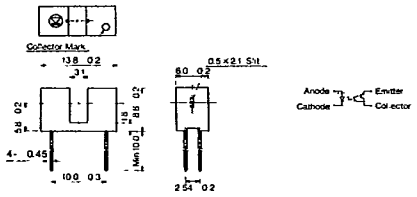
PHOTOINTERRUPTERS

(Ta=25°C)

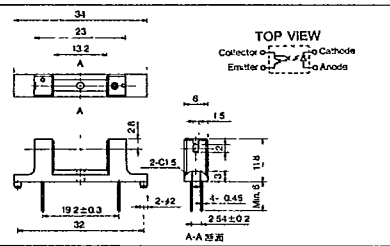
PG-23FI



Absolute Maximum Ratings						
I_F (mA)	V_R (V)	P_D (mW)	V_{CEO} (V)	I_C (mA)	P_C (mW)	Topr. (°C)
60	5	100	30	40	100	−20～+85

V_F (V)	I_R (μA)	I_{CEO} (A)	I_L (mA)	V_{CE} (sat) (V)	tr (μsec.)
I_F=30mA	V_R=5V	V_{CEO}=10V	I_F=20mA, V_{CE}=5V	I_F=30mA, I_C=0.1mA	I_C=2mA, R_L=100Ω
Max. 1.5	Max. 10	Max. 1x10^{-7}	Min.0.3	Max. 0.4	Typ. 5

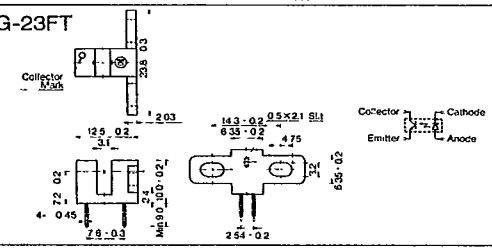
PG-23FQ



Absolute Maximum Ratings						
I_F (mA)	V_R (V)	P_D (mW)	V_{CEO} (V)	I_C (mA)	P_C (mW)	Topr. (°C)
60	5	100	30	40	100	−20～+85

V_F (V)	I_R (μA)	I_{CEO} (A)	I_L (mA)	V_{CE} (sat) (V)	tr (μsec.)
I_F=30mA	V_R=5V	V_{CEO}=10V	I_F=20mA, V_{CE}=5V	I_F=20mA, I_C=1mA	——
Max. 1.5	Max. 10	Max.1x10^{-6}	Min.0.3	Max. 1.2	——

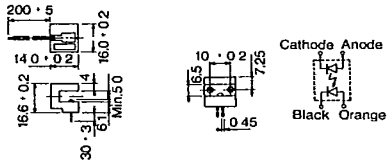
SG-23FT



Absolute Maximum Ratings						
I_F (mA)	V_R (V)	P_D (mW)	V_{CEO} (V)	I_C (mA)	P_C (mW)	Topr. (°C)
60	5	100	30	40	100	−20～+85

V_F (V)	I_R (μA)	I_{CEO} (A)	I_L (mA)	V_{CE} (sat) (V)	tr (μsec.)
I_F=30mA	V_R=5V	V_{CEO}=10V	I_F=20mA, V_{CE}=5V	I_F=30mA, I_C=0.1mA	I_C=2mA, R_L=100Ω
Max. 1.5	Max. 10	Max. 1x10^{-7}	Min.0.3	Max. 0.4	Typ. 5

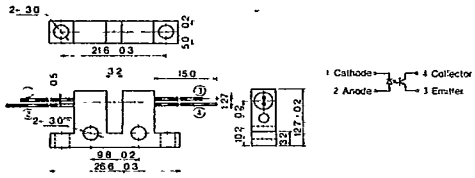
SG-27N



Absolute Maximum Ratings						
I_F (mA)	V_R (V)	P_D (mW)	V_{CEO} (V)	I_C (mA)	P_C (mW)	Topr. (°C)
100	5	100	—	—	150	−20～+80

V_F (V)	I_R (μA)	Id (A)	Vo (mV)	V_{CE} (sat) (V)	tr (μsec.)
I_F=30mA	V_R=5V	V_R=10V	I_F=50mA, R_L=1KΩ	——	——
Max. 1.5	Max. 10	Max. 1x10^{-6}	Typ. 50	——	——

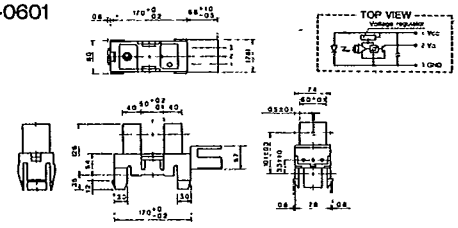
SG-7L4



Absolute Maximum Ratings						
I_F (mA)	V_R (V)	P_D (mW)	V_{CEO} (V)	I_C (mA)	P_C (mW)	Topr. (°C)
60	4	80	20	20	75	−20～+65

V_F (V)	I_R (μA)	I_{CEO} (A)	I_L (mA)	V_{CE} (sat) (V)	tr (μsec.)
I_F=30mA	V_R=4V	V_{CEO}=10V	I_F=20mA, V_{CE}=5V	I_F=30mA, I_C=0.1mA	I_C=2mA, R_L=100Ω
Max. 1.5	Max. 10	Max. 1x10^{-7}	Min.0.1	Max. 0.4	Typ. 5

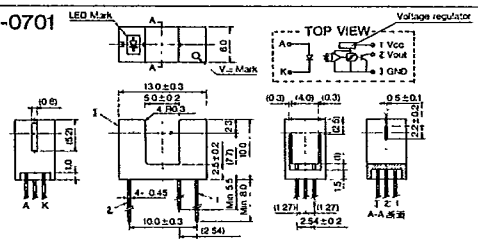
LG-0601



Absolute Maximum Ratings			
Vcc max. (V)	Vout (V)	I_{OL} (mA)	Topr. (°C)
8	16	30	−25～+75

Vcc (V)	V_{OH} (V)	V_{OL} (V)	f (Hz)	Icc (mA)
——	Vcc=5V, R_L=47KΩ	Vcc=5V, I_{OL}=1.5mA	Vcc=5V, R_L=47KΩ	Vcc=5V
5±10%	Min. 4.5	Max. 0.4	3,000	35

LG-0701



Absolute Maximum Ratings			
Vcc max. (V)	Vout (V)	I_{OL} (mA)	Topr. (°C)
16	16	16	−25～+75

Vcc (V)	V_{OH} (V)	V_{OL} (V)	f (Hz)	Icc (mA)
——	Vcc=5V, R_L=10KΩ	Vcc=5V, R_L=15mA	——	Vcc=16V
4.5～16	Min. 4	Max. 0.4	——	Max. 1.0

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