

## Photo Interrupters(Transmissive)-2

Type No.	FEATURE			MAXIMUM RATING(Ta=25c)						
	Feature	Gap [mm]	Slit [mm]	INPUT			OUTPUT			Operating temp. Topr.[c]
				Forward current IF[mA]	Reverse voltage VR[V]	Power dissipation PD[mW]	C-E voltage VCEO[V]	Collector current Ic[mA]	Collector power dissipation Pc[mW]	
SG-203	Snap-in mount type with connector	5.0	0.5	60	5	100	30	40	100	-20~+85
SG-204		5.0	0.5	60	5	100	30	40	100	-20~+85
SG-205	PWB direct mount type	5.0	0.5	60	5	100	30	40	100	-20~+85
SG-206		5.0	0.5	60	5	100	30	40	100	-20~+85
SG-207		5.0	0.5	60	5	100	30	40	100	-20~+85
SG-209		2.4	0.5	60	5	100	30	40	100	-20~+85
SG-211V		2.0	0.4	50	5	75	30	20	75	-20~+85
SG-213	Single-sided Screw-mount	3.0	0.5	60	5	100	30	40	100	-20~+85
SG-214	Double-sided Screw-mount	3.6	0.5	60	5	100	30	40	100	-20~+85
SG-220	PWB direct mount type	3.0	0.25	60	5	100	30	40	100	-20~+85
SG-222V2		2.0	0.4	50	5	75	30	20	75	-20~+85
SG-223		3.0	0.5	50	5	75	30	20	75	-20~+85

Type No	ELECTRO-OPTICAL CHARACTERISTICS(Ta=25c)															
	INPUT				OUTPUT		COMBINATION									
	Forward voltage VF[V]		Reverse current IR[ua]		Collector dark current ICEO[nA]		Light current Ic[mA]			C-E saturation voltage VcE[sat][V]			Rise time tr[usec]			
	Typ	IF [mA]	Max.	VR [V]	Max.	VOE [V]	Min	VOE [V]	IF [mA]	Max.	IF [mA]	Ic [mA]	Typ.	VOC [V]	Ic [mA]	RL [k]
SG-203	1.2	20	10	5	100	10	0.5	5	20	0.4	20	0.1	4	5	2	0.1
SG-204	1.2	20	10	5	100	10	0.5	5	20	0.4	30	0.1	4	5	2	0.1
SG-205	1.2	20	10	5	100	10	0.5	5	20	0.4	20	0.1	4	5	2	0.1
SG-206	1.2	20	10	5	100	10	0.5	5	20	0.4	20	0.1	4	5	2	0.1
SG-207	1.2	20	10	5	100	10	0.5	5	20	0.4	20	0.1	4	5	2	0.1
SG-209	1.2	20	10	5	100	10	0.5	5	20	0.4	20	0.1	4	5	2	0.1
SG-211V	1.2	20	10	5	100	10	0.25	5	10	0.4	10	0.03	50	5	0.1	1
SG-213	1.2	20	10	5	100	10	1	5	20	0.4	20	0.1	4	5	2	0.1
SG-214	1.2	20	10	5	100	10	0.5	5	20	0.4	20	0.1	4	5	2	0.1

SG-220	1.2	20	10	5	100	10	0.1	5	20	0.4	30	0.05	25	2	0.5	1
SG-222V2	1.2	20	10	5	100	10	0.5	5	20	0.4	10	0.03	50	5	0.1	1
SG-223	1.2	20	10	5	100	10	0.7	5	20	0.4	20	0.1	10	5	0.5	0.1



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