

Slotted Opto Switches - continued

SR16C-J6 Digital Vane Sensor - continued

Package Style	Dual Tower Wire Exit
Supply Voltage	3.8 to 30V dc
Output Type	Sink
Termination Type	26 Gauge 7 Strand Lead Wire
Operating Temperature	-20 to 85°C
Output Voltage	0.4V dc
Vibration	10g/10Hz to 500Hz
Humidity	95% RH/40°C 100 h
Vane and Gear Tooth Target Material	Low Carbon Steel, High Permeability, Low Residual Induction
Output Current (Max.)	40mA
Supply Current (Max. @ 25°C)	10mA
Vane Thickness	1.14mm
Minimum Tooth Depth	6.35mm

419622

Mfrs. List No.	Order Code	Price Each				
		1+	5+	10+	25+	+
SR16C-J6	108-2266	422.00	389.00	337.00	279.00	--



139-830
H=4.5, W=6.1, D=4.40



118-2345
H = 12.45, W = 12.7, D = 12.07



118-2344
H = 15.49, W = 18.03, D = 5.33
Orange Anode
Green Cathode
White Collector
Blue Emitter

- 1 Collector
- 2 Emitter
- 3 Anode
- 4 Cathode

Pin 1 identified by flat on body

Reflective object sensors in miniature and standard packages, all with transistor outputs.

I _c mA	@ I _F	Output V _{DE} (max)	Transistor P _D (max)	Optimum sensing distance	Mfr	Mfrs. List No.	Order Code
Miniature							
0.7	20mA	30V	100mW	1.2	HWL	HOA1397-2	120-1180
0.16	30mA	30V	75mW	5.08	HWL	HOA2498-2	491-573
0.16	30mA	30V	75mW	5.08	HWL	HOA1180-2	113-6080
2	30mA	15V	75mW	5.08	HWL	HOA2498-3	491-585
4	20mA	30V	100mW	2.79	OPTEK	OPB608B*	139-830
20	50mA	30V	100mW	3.5	OMRON	EE-SY171	117-3629
20	50mA	30V	100mW	4.4	OMRON	EE-SY113	117-3630
25	50mA	30V	75mW	1.27	OPTEK	OPB706B	489-0991
Standard							
0.025	40mA	30V	75mW	5.08	HWL	HOA1406-1	120-1182
0.2	40mA	30V	60mW	3.81	OPTEK	OPB704	178-944
0.8	50mA	30V	75mW	5	HWL	HOA1404-002	176-9741
0.8	30mA	30V	70mW	5	HWL	HOA1405-2	120-1181
1.0	50mA	30V	70mW	3.8	HWL	HOA0709-001	120-1174
20	50mA	30V	100mW	5	OMRON	EE-SB5	121-6965
20	50mA	30V	100mW	5	OMRON	EE-SB5-B	121-6966
20	50mA	30V	100mW	5	OMRON	EE-SF5	121-6967
20	50mA	30V	100mW	4	OMRON	EE-SY169A	117-3632
20	50mA	30V	100mW	5	OMRON	EE-SF5-B	117-3628
50	50mA	35V	300mW	12.7	OPTEK	OPB715-Z	118-2345
200	40mA	30V	100mW	3.81	OPTEK	OPB704W-Z	118-2344

* The OPB608B has enhanced low current roll off to improve the contrast ratio and immunity to background irradiance

206216

Reflective Opto Switches

Miniature/Standard



120-1180
H=6.22, W=4.5, D=4.65 (exc pins)



Bottom View
Pin spacing 2.54 2.29
Collector identification dy dot



120-1174



489-0991
H = 4.7, W = 6.22, D = 4.6



1 Cathode
2 Anode
3 Collector
4 Emitter



H=6.35, Dia.=6.35, D=15.88
491-573, 491-585

- 1. Cathode
- 2. Anode
- 3. Collector
- 4. Emitter



H=6.35, W=6.35, D=15.88, Lead length=305
113-6080

- Red Anode
- Black Cathode
- White Collector
- Green Emitter



H=23, W=17, D=5
Fixing slot=8.5 3.1



178-944, 120-1181, 176-9741

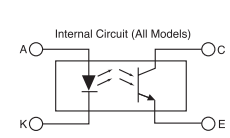


- Red Anode
- Black Cathode
- Orange Collector
- Black Emitter

H=24, W=15.4, D=2.79, Lead length=610
120-1182

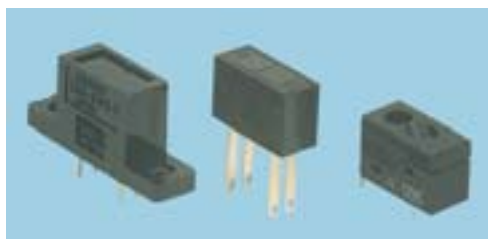


117-3629 H=8.5, W=15 (overall), D=4.2
117-3630 H=8.4, W=15.2 (overall), D=6.2



A Anode
K Cathode
C Collector
E Emitter

121-6966 and 117-3628 have PCB terminals. 121-6965 and 121-6967 have soldering terminals



121-6966 H=15.9, W=25.4, D=6.35
121-6965 H=18, W=25.4, D=6.35
121-6967 H=17.7, W=13, D=5.7 (overall)
117-3628 H=15.6, W=13, D=5.7 (overall)
117-3632 H=11, W=14.1 (overall), D=6

Mfrs. List No.	Order Code	Price Each			
		1+	25+	100+	1K+
Miniature					
OPB608B	139-830	236.00	195.00	127.00	87.00
HOA1397-2	120-1180	317.00	307.00	293.00	287.00
HOA2498-2	491-573	345.00	328.00	333.00	326.00
HOA2498-3	491-585	341.00	330.00	316.00	308.00
HOA1180-2	113-6080	847.00	805.00	769.00	752.00
EE-SY171	117-3629	416.00	268.00	244.00	196.00
EE-SY113	117-3630	298.00	240.00	235.00	--
OPB706B	489-0991	313.00	--	--	--
Standard					
OPB704	178-944	431.00	377.00	318.00	220.00
HOA1404-002	176-9741	646.00	567.00	513.00	466.00
HOA1405-2	120-1181	391.00	328.00	287.00	255.00
HOA1406-1	120-1182	1,181.00	1,143.00	1,093.00	1,069.00
EE-SB5	121-6965	566.00	--	--	--
OPB704W-Z	118-2344	372.00	347.00	308.00	296.00
EE-SB5-B	121-6966	495.00	379.00	358.00	307.00
EE-SF5	121-6967	382.00	291.00	275.00	236.00
EE-SF5-B	117-3628	403.00	334.00	316.00	270.00
EE-SY169A	117-3632	616.00	570.00	538.00	520.00
OPB715-Z	118-2345	683.00	649.00	597.00	540.00
HOA0709-001	120-1174	276.00	243.00	220.00	200.00

Emitters and Detectors

Wavelength Selective and UV Photodiodes



TO-46 Case



5mm Plastic Case