

### Photo Interrupters(Transmissive)-5

| 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] |                          |
| KIT-1001A | PWB direct mount type | 1        | 1         | 50                     | 5                     | 75                       | 30                  | 20                       | 75                                 | -25~+85                  |
| KIT3001B  | PWB direct mount type | 3        | 1         | 50                     | 5                     | 75                       | 30                  | 20                       | 75                                 | -25~+85                  |
| KIT4001A  | PWB direct mount type | 4.5      | 0.4       | 50                     | 5                     | 75                       | 30                  | 20                       | 75                                 | -25~+85                  |
| KPI-L05   | PWB direct mount type | 50       | 0.5       | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -25~+85                  |
| KPI-L06   | PWB direct mount type | 50       | 0.5       | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -20~+85                  |
| KPI-512   | PWB direct mount type | 50       | 0.5       | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -25~+85                  |
| KPI-261D  | PWB direct mount type | 2.8      | 1.0       | 50                     | 5                     | 75                       | 30                  | 20                       | 75                                 | -20~+85                  |
| KPI-210C  | PWB direct mount type | 3.18     | 0.25      | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -25~+85                  |
| KPI-211   | Harness Connection    | 5        | 0.5       | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -25~+85                  |
| KPI-511   | PWB direct mount type | 5        | 0.5       | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -25~+85                  |
| KPI-23FTH | Harness Connection    | 5        | 0.5       | 60                     | 5                     | 100                      | 30                  | 40                       | 100                                | -5~+85                   |
| KSG-262   | Screw-mount           | 2.0      | 0.4       | 50                     | 5                     | 75                       | 30                  | 20                       | 75                                 | -25~+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 VOE[sat][V] |         |         | Rise time Ir[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] |
| KIT-1001A | 1.2                                     | 20      | 10                     | 5      | 100                             | 10      | 0.5                  | 5       | 10      | 0.4                                | 10      | 0.3     | 10                 | 5       | 1       | 100    |
| KIT3001B  | 1.2                                     | 20      | 10                     | 5      | 100                             | 10      | 0.5                  | 5       | 20      | 0.4                                | 50      | 0.05    | 50                 | 5       | 0.1     | 1      |
| KIT4001A  | 1.2                                     | 20      | 10                     | 5      | 100                             | 10      | 0.2                  | 5       | 20      | 0.4                                | 20      | 0.1     | 5                  | 5       | 2       | 0.1    |
| KPI-L05   | 1.2                                     | 20      | 10                     | 5      | 100                             | 10      | 0.5                  | 5       | 20      | 0.4                                | 20      | 0.1     | 5                  | 5       | 2       | 0.1    |
| KPI-L06   | 1.2                                     | 20      | 10                     | 5      | 100                             | 5       | 0.5                  | 5       | 20      | 0.4                                | 20      | 0.1     | 5                  | 5       | 2       | 0.1    |

|           |      |    |    |   |     |    |      |   |    |     |    |     |    |    |     |     |
|-----------|------|----|----|---|-----|----|------|---|----|-----|----|-----|----|----|-----|-----|
| KPI-512   | 1.2  | 20 | 10 | 5 | 10  | 10 | 0.6  | 5 | 20 | 0.4 | 20 | 0.1 | 5  | 5  | 2   | 0.1 |
| KPI-261D  | 1.2  | 20 | 10 | 5 | 100 | 10 | 0.5  | 5 | 20 | 0.4 | 20 | 0.1 | 5  | 50 | 2   | 0.1 |
| KPI-210C  | 1.2  | 20 | 10 | 5 | 10  | 5  | 0.5  | 5 | 20 | 0.4 | 20 | 0.1 | 5  | 5  | 2   | 0.1 |
| KPI-211   | 1.2  | 20 | 10 | 5 | 100 | 10 | 0.5  | 5 | 20 | 0.4 | 20 | 0.1 | 5  | 5  | 2   | 0.1 |
| KPI-511   | 1.2  | 0  | 10 | 5 | 100 | 10 | 0.5  | 5 | 20 | 0.4 | 20 | 0.1 | 5  | 5  | 2   | 0.1 |
| KPI-23FTH | 1.2  | 20 | 10 | 5 | 100 | 10 | 0.5  | 5 | 20 | 0.4 | 20 | 0.1 | 5  | 5  | 2   | 0.1 |
| KSG-262   | 1.25 | 20 | 10 | 5 | 100 | 10 | 0.25 | 5 | 20 | 0.4 | 10 | 0.3 | 20 | 5  | 0.1 | 1   |



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