

OPB703 through OPB705,
OPB703WZ through OPB705WZ,
OPB70AWZ through OPB70HWZ



OPB704GWZ



Issue F 06/2016 Page 3

Reflective Object Sensor

OPB703 through OPB705,
OPB703WZ through OPB705WZ,
OPB70AWZ through OPB70HWZ



Absolute Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Storage Temperature Range	-40°C to +80° C
Lead Soldering Temperature [1/16 inch (1.6 mm) from the case for 5 sec. with soldering iron]	240° C ⁽¹⁾
Input Diode	
Forward DC Current	40 mA
Reverse DC Voltage	2 V
Power Dissipation	100 mW ⁽²⁾
Output Photodetector	
Collector-Emitter Voltage	30 V
Phototransistor	
Photodarlington	15 V
Emitter-Collector Voltage	5 V
Collector DC Current	25 mA
Power Dissipation	100 mW ⁽²⁾

Notes:

- (1) RMA flux is recommended. Duration can be extended to 10 seconds maximum when flow soldering.
- (2) For OPB703WZ, OPB704WZ, OPB705WZ, OPB70BWZ, OPB704G, OPB704GWZ and OPB70HWZ derate linearly 1.82 mW/° C above 25° C.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

OPTEK Technology, Inc.
1645 Wallace Drive, Carrollton, TX 75006 | Ph: +1 972 323 2200
www.optekinc.com | www.ttelectronics.com