

# 780-1080nm 20W TGG High Power Optical Circulator

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## Product Overview

TGG high-power optical circulator for fiber amplifiers, test instruments and medical-device optical systems, covering common 780-1080 nm laser wavelengths.

|                                                                      |                                                     |
|----------------------------------------------------------------------|-----------------------------------------------------|
| Features                                                             | Applications                                        |
| Low insertion loss; High return loss; High stability and reliability | Fiber amplifiers; Test instruments; Medical devices |

## Technical Specifications

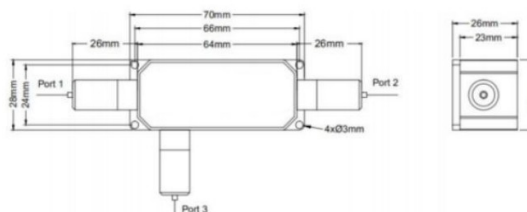
| Parameter                            | Specification                        | Unit |
|--------------------------------------|--------------------------------------|------|
| Center Wavelength                    | 1064 / 1030 / 980 / 780 or Specified | nm   |
| Operating Wavelength Range           | ±5                                   | nm   |
| Typical Peak Isolation               | 25                                   | dB   |
| Min. Isolation @ 23°C                | 22                                   | dB   |
| Typical Insertion Loss @ 23°C        | 1.3                                  | dB   |
| Max. Insertion Loss @ 23°C           | 1.5                                  | dB   |
| Min. Extinction Ratio (PM fiber)     | 20                                   | dB   |
| Max. PDL (SM fiber)                  | 0.15                                 | dB   |
| Min. Return Loss                     | 45                                   | dB   |
| Minimum Crosstalk                    | 45                                   | dB   |
| Max. Average Power (Port 1 + Port 2) | 1 / 2 / 5 / 10 / 20 or Specified     | W    |
| Max. ns Pulse Peak Power             | 10 or Specified                      | kW   |
| Max. Tensile Load                    | 5                                    | N    |
| Package Dimensions                   | 64 x 28 x 26                         | mm   |
| Operating Temperature                | +10 to +50                           | °C   |
| Storage Temperature                  | 0 to +60                             | °C   |

For configuration selection and quotation, use the Component Finder at [www.kernsoptic.com/contacts](http://www.kernsoptic.com/contacts). Final special configurations are subject to engineering review.

With connectors, power handling is limited to 1 W; IL increases by 0.3 dB, RL decreases by 5 dB and ER decreases by 2 dB.

## Package Dimensions

封装尺寸



Three-port package drawing from the KernsTech master catalog. Standard package: 64 x 28 x 26 mm.