

Cannon provides flexibility in optical system design with our PHD line of high density optical interconnects. The PHD connector system's open architecture delivers high performance, density and serviceability in a flexible and scalable product configuration.

**Applications:**

- Automotive Systems
- Commercial Avionics
- Data Processing
- Data Storage Systems
- Industrial
- Medical
- Military Electronics
- Telecommunications



 For more information: [www.ittcannon.com/cat298](http://www.ittcannon.com/cat298)

*New*

**Product Features**

- Increased density.
- Lower installed cost.
- Tuned or un-tuned terminus designs.
- Lower insertion loss.
- Less channel-to-channel variance.
- Higher return loss.
- GR-326 compliant end face.

**PHD Robust LC Optical Performance**

Parameter	PHD	PHD (Tuned) <sup>♦</sup>	PHD MM
Ferrule Type	1.25 mm	1.25 mm	1.25 mm
Fiber Type	SMF 28	SMF 28	62/125
Insertion Loss (dB)	0.14	0.09	0.15
Maximum Loss (dB max.)	0.75	0.2	0.3
Return Loss (dB)	55	56	42
Return Loss (dB min.)	50	50	40
Channel Servicing	Single	Single	Single
Channel Repair	Single	Single	Single
Channel Density (in. <sup>2</sup> )	<50	<50	<50

Fiber Optic

**PHD 38999 Connectors**



**PHD Panel Mount Connectors**



 Please contact your local Cannon representative: [www.ittcannon.com/support/ContactUs](http://www.ittcannon.com/support/ContactUs)

- ♦ Tuned performance will only be achieved when mated with a "tuned" LC product.
- ♦ Trademark of ITT Industries, Inc.