

Data Isolator 10/100/1000Base-T Ethernet RJ45



MDD-1000BT-4KV

Features

- Compatible with all Ethernet protocols up to Gigabit Ethernet
- Provides isolation per EN60601-1 general safety standard
- Compact form factor
- Panel Mount or In-line

Applications

- Certified third party medical equipment
- Networks with ground loop issues
- IEEE 802.3i, 802.3u & 802.3ab networks

Description

Data isolator MDD-100BT-4KV from Transtector, is an Indoor style unit that utilizes state of the art technology to isolate equipment in Ethernet networks from upstream power cross events or ground loops, while remaining transparent to data throughput. Transtector data isolators are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		RJ45 Female to RJ45 Female		
Data Protocols		10/100/1000Base-T Ethernet		
Isolation Level			4	kV
Data Rate			1,000	Mb/s
Series Impedance (Data)			100	Ohms

Mechanical Specifications

Size

Height	1 in	[25.4 mm]
Width	3 in	[76.2 mm]
Depth	2.4 in	[60.96 mm]
Weight	0.5 lbs	[226.8 g]

Environmental Specifications

Operating Temperature	0 to 70 deg C
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Data Isolator 10/100/1000Base-T Ethernet RJ45 MDD-1000BT-4KV](#)

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MDD-1000BT-4KV



Humidity	95% non-condensing
MTBF	100,000 Hours
Mount Type	Panel, In-line

Compliance Certifications

RoHS Compliant	Yes
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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Data Isolator 10/100/1000Base-T Ethernet RJ45 MDD-1000BT-4KV](https://www.transtector.com/data-surge-protector-spd-10-100-1000base-mdd-1000bt-4kv)

URL: <https://www.transtector.com/data-surge-protector-spd-10-100-1000base-mdd-1000bt-4kv-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

MDD-1000BT-4KV CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	1/14/20	DWR

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X±.2 [5.08] FRACTIONS ±.132
 XX±.01 [25] ±.132
 XXX±.005 [13] ANGLES ±1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
 THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
 SCALE 1:1

SIZE CAGE DRAWN BY PART NUMBER
 A 30992 DPM MDD-1000BT-4KV REV A

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