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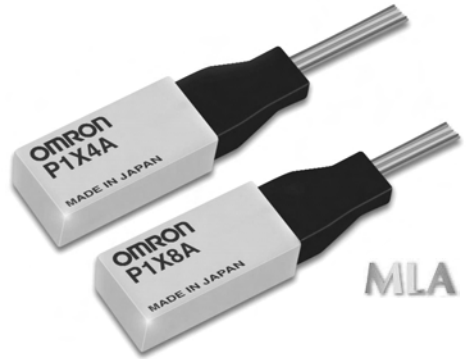
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4ch / P1X4A

8ch / P1X8A

World's smallest CWDM Mux/ Demux achieved by combining Omron's MLA with Thin Film Filters in a proprietary structure (Patent Pending).

- Ultra small form factor
- 4+1 and 8+1 (1310 express channel) models available
- Space saving single-sided entry ribbon fibre
- Versatile free mounting direction
- CWDM and LX4 wavelengths available
- Tap case package available
- Various fibre and connector options available



Ordering Information

Model Number Legend

P1X A- S

1 2 3 4 5 6

- 1. Number of channels**
4 or 8
- 2. Classification**
MX: Mux,
DX: Demux,
MD: Mux & Demux
- 3. Starting centre wavelength**
e.g. 1471, 1511, 1531
- 4. Channel spacing**
e.g. ITU-T G.694.2
20nm: 20
- 5. Case type**
Blank: Standard
T: Tap case
- 6. Cable length**
Blank: Standard 1000mm
(or insert length required
in mm)
- 7. Connector type**
Blank: Ribbon fibre only (or insert
one of the following: SC, FC,
MU, LC, SCAPC, FCAPC,
LCAPC) - Other types of
connectors available, (eg.
E2000-APC and
configurations) contact Omron
for information

Application Examples

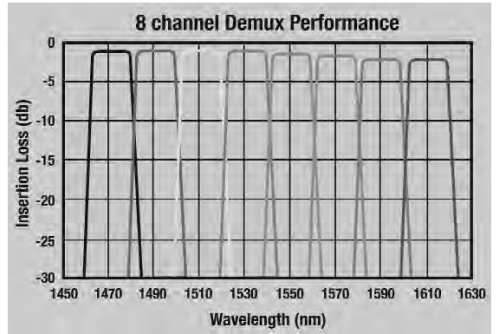
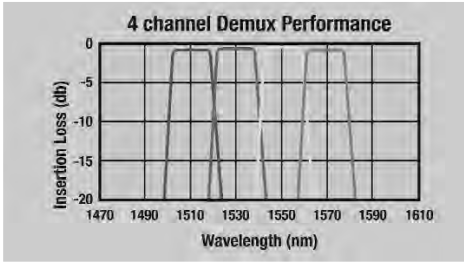
- CWDM
- WDM-PON
- Transponder, Transceiver
- OADM (Optical Add/Drop Multiplexer)
- 3G Basestations
- CATV

Specifications

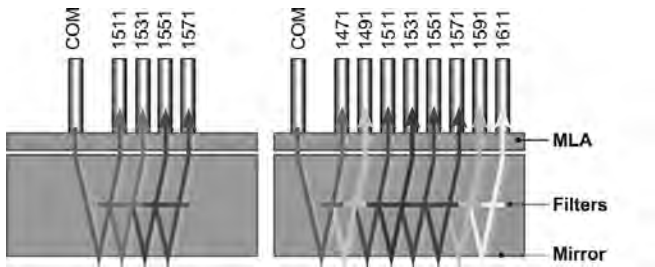
	P1X4A	P1X8A
Number of Channels	4	8
Centre Wavelength	1471,1491,1511,1531,1551, 1571, 1591,1611nm (standard CWDM) 1275.7, 1300.2, 1324.7, 1349.2 (LX4) (Other wavelengths available)	1471,1491,1511,1531,1551, 1571,1591,1611nm (standard CWDM) (Other wavelengths available)
Pass Band Width	≥13nm (13.4nm for LX4)	≥13nm
Insertion Loss	≤ 2.0dB (Typ. 1.2dB)	≤ 2.7dB (Typ. 2.3dB)
Isolation	≥30dB (Typ. 35dB)	≥30dB(Typ. 35dB)
Return Loss	≥35dB (Typ. 40dB)	≥35dB (Typ. 40dB)
Optical Power	100mW	100mW
Operating Temperature	0 to 70°C	0 to 70°C
Storage Temperature	-40 to 85°C	-40 to 85°C
Dimensions	W7.2 x L14.5 x H4.7mm	W7.2 x L14.5 x H4.7mm

Note: Typical specifications are at room temperature and include connectors

■ Performance

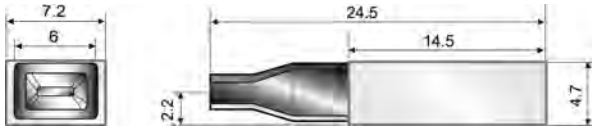


■ Structures

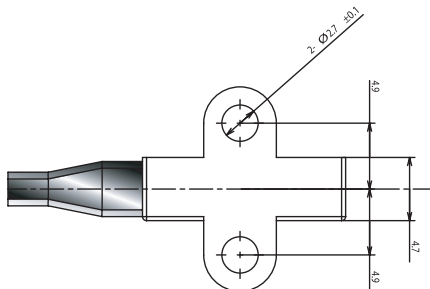


■ Dimensions (mm)

Standard package



Tap case package



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ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.

To convert millimetres into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.