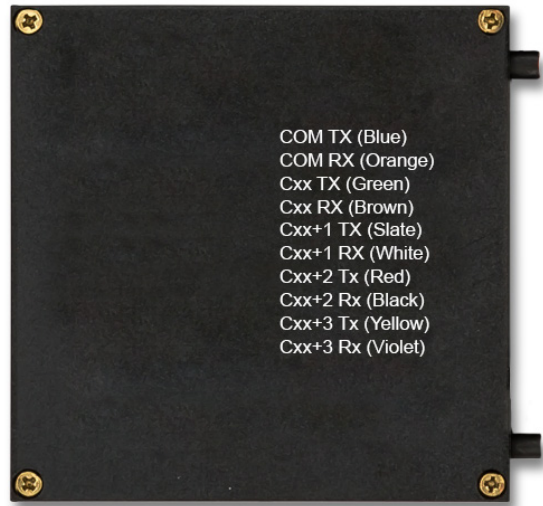


### Features:

- 4 Channel Dual Fiber OADM DWDM OSP without MON
- Channel Wavelengths: DWDM CH. xx - CH. xx+3
- Channel Spacing: 100GHz
- Maximum Optical Power: 300mW
- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C
- Reliability: Telcordia GR-1209, GR-1221



- Dimensions: 70mm x 70mm x 8mm
- Fiber Size: 250  $\mu$ m



### 1. Optical Requirements

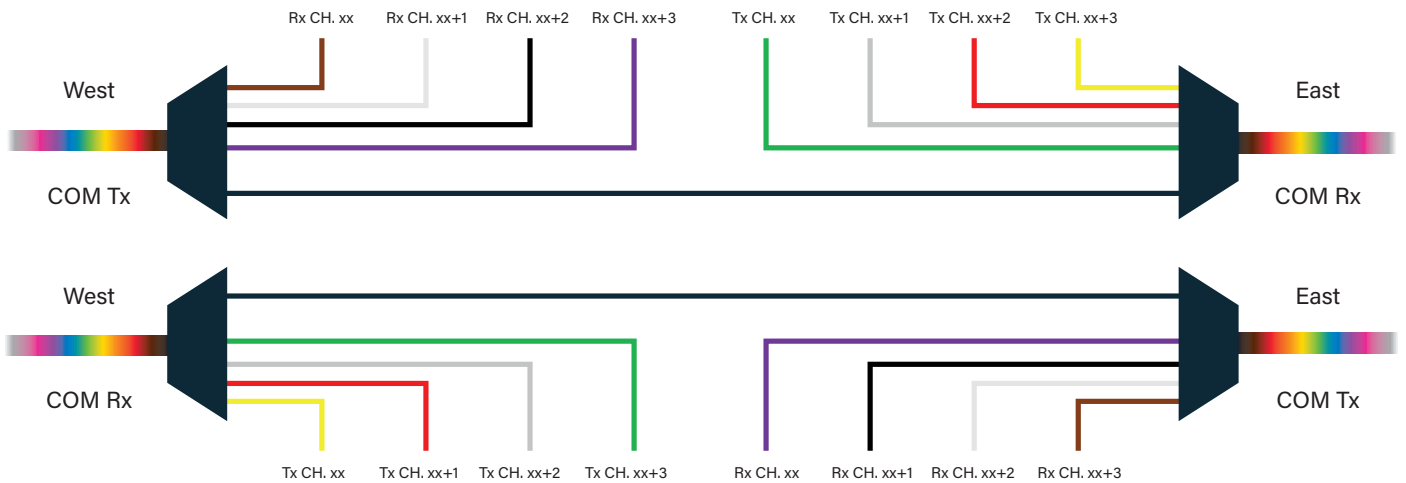
Parameter	Value
Passband, DWDM Channel Ports @-0.5 dB	ITU $\geq$ 25GHz
Passband, DWDM Channel Ports @-3 dB	ITU $\geq$ 60GHz
Passband Ripple (Max.)	$\leq$ 0.5dB
Isolation, Adjacent Channel - DWDM (Min.)	$\geq$ 30dB
Isolation, Non-Adjacent Channel - DWDM (Min.)	$\geq$ 40dB
Return Loss - All Ports (Min., Including Connectors)	$\geq$ 45dB
Directivity - DWDM Ports (Min.)	$\geq$ 50dB
Polarization Dependent Loss (Max.)	$\leq$ 0.2dB
Polarization Mode Dispersion (Max.)	$\leq$ 0.2ps

### 2. Insertion Loss

Parameter	Value
Insertion Loss - COM Rx $\rightarrow$ Tx Drop (Typ., Incl. Connectors)	1.3dB
Insertion Loss - COM Rx $\rightarrow$ Tx Drop (Max., Incl. Connectors)	$\leq$ 1.5dB
Insertion Loss - Rx Add $\rightarrow$ COM Tx (Typ., Incl. Connectors)	1.3dB

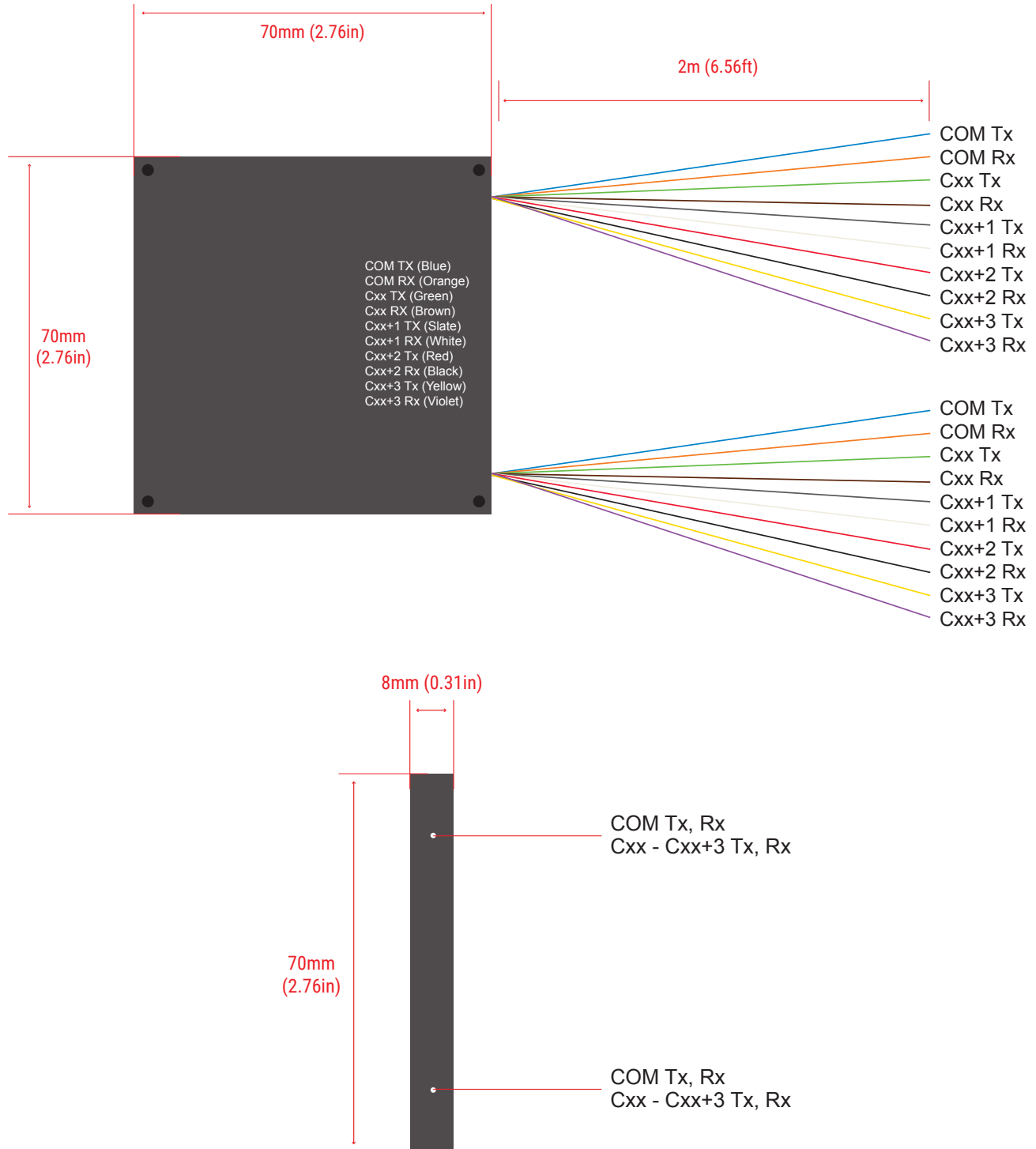
Insertion Loss - Rx Add → COM Tx (Max., Incl. Connectors)	≤ 1.5dB
Insertion Loss - COM Rx → COM Tx (Typ., Incl. Connectors)	2.0dB
Insertion Loss - COM Rx → COM Tx (Max., Incl. Connectors)	≤ 2.4dB

### 3. Network Diagram



Channel	West		East	
	Typ. (dB)	Max (dB)	Typ. (dB)	Max (dB)
CH. xx	1.3	1.5	1.3	1.5
CH. xx+1	1.0	1.2	1.0	1.2
CH. xx+2	0.7	0.9	0.7	0.9
CH. xx+3	0.4	0.6	0.4	0.6

## 4. Mechanical Diagram



## 5. Ordering Information

Root SKU	Part Number	Description
D6T04NAxx0A8080	ZS-DW1-ED1400-NN-xx-00-2	DWDM 100 GHz Spacing, OADM, TFF Thin Film Filter, 4 Channel, No Connector, Channel xx Start, Single Module, OSP 70 mm x 70mm x 8mm, 2m Pigtail, Skip 0, NO MON

## 6. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>