



### Key Features

- TFF Free-space Technology
- Ultra-Low Insertion Loss
- High Isolation and wider passband
- Stable Operating Temperatures
- Passive module, no need electrical power

### Application

- FTTx , PON Optical Networks, 5G Networks

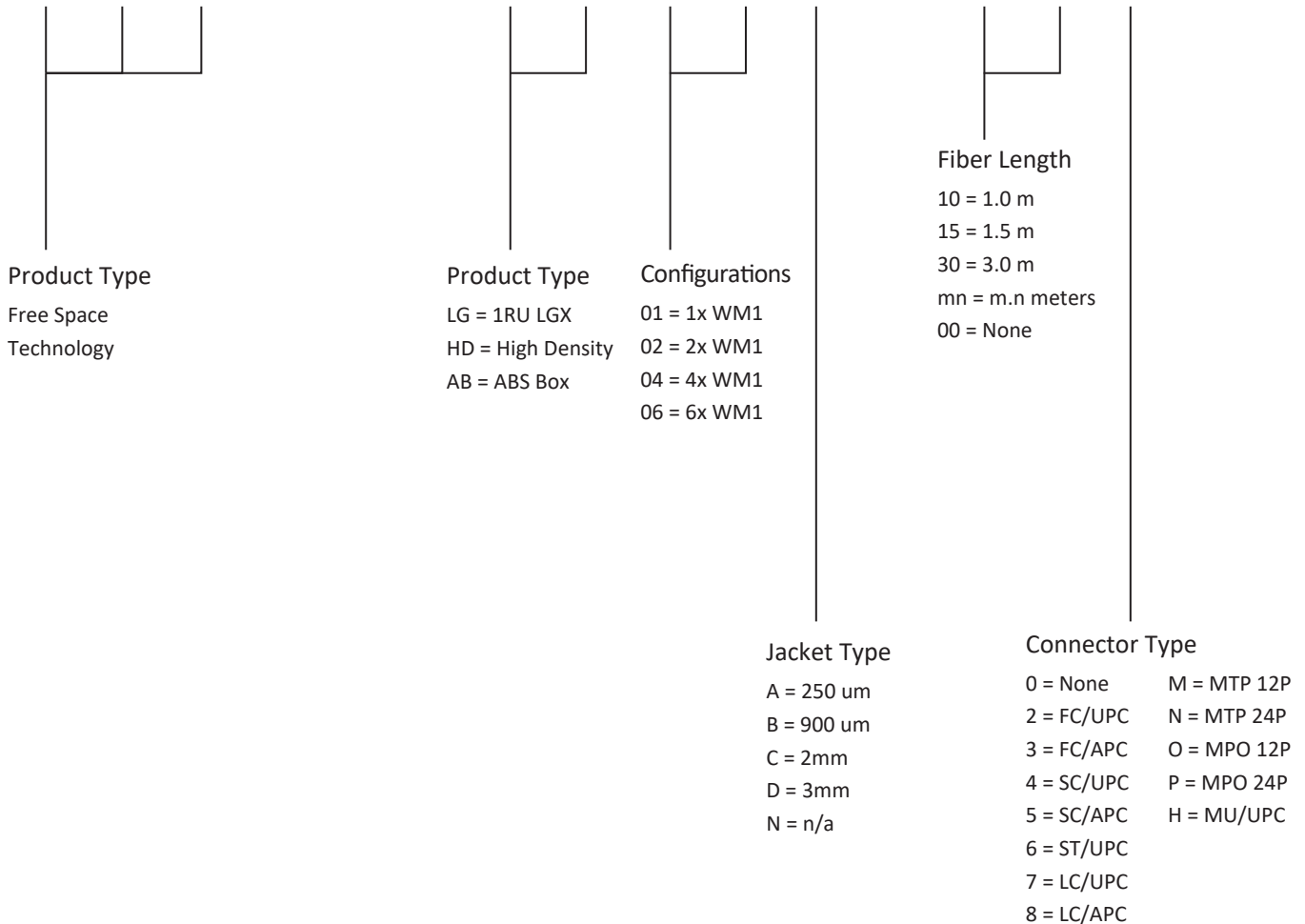


### Parameter Specifications: WM1 modules

Parameters	Specification	Units
Operating Wavelength Band	1520~1610	nm
Channel Spacing	100	GHz
Channel Number	4 pair (8 wavelengths)	
Port 1 ( $\lambda_{up}$ / $\lambda_{dn}$ )	1532.68 / 1596.34	nm
Port 2 ( $\lambda_{up}$ / $\lambda_{dn}$ )	1533.47 / 1597.18	nm
Port 3 ( $\lambda_{up}$ / $\lambda_{dn}$ )	1534.25 / 1598.04	nm
Port 4 ( $\lambda_{up}$ / $\lambda_{dn}$ )	1535.04 / 1598.89	nm
Channel Passband	$\lambda_{ITU} \pm 0.15$	nm
Channel Insertion Loss $\lambda_{up}$ & $\lambda_{dn}$	$\leq 2.0$ (typical 1.5dB)	dB
Ripple in Passband	$\leq 0.4$	dB
Adjacent Channel Isolation	$\geq 32$	dB
Non Adjacent Channel Isolation	$\geq 45$	dB
Isolation @ GPON/XG-PON (1260nm – 1500nm)	$\geq 30$	dB
Isolation @ PtP (1603nm~1625nm)	$\geq 30$	dB
PDL (all ports)	$\leq 0.2$	dB
Return Loss (all ports)	$\geq 50$	dB
Directivity (all ports)	$\geq 50$	dB
Fiber Type	Corning Ultra Fiber (G657.A1)	
Connector Type	Customers' choice: SCA, SCU, LCA, LCU	
Module Package Type	Customers' choice: 1RU LGX, HD density, ABS	
Maximum Power handling	500	mW
Operating Temperature	-5 ~ +70	°C
Storage Temperature	-40 ~ +85	°C
Operation Humidity	5 to 95 % Relative Humidity	

Part Number Scheme: WM1 Modules

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