

50GHz spacing Athermal AWG Module



Applications

- 50GHz spacing DWDM terminal multiplexer and demultiplexer
- ROADM(Reconfigurable Optical add/drop multiplexers)
- Metro and WDM PON

Product Type : PS701

Descriptions

- PS701 provides stable optical performance against temperature change without temperature control.
- This module is used as multiplexers and demultiplexers in 50GHz DWDM applications without Interleaver.

Features

- Excellent optical performances such as low insertion loss and low crosstalk
- Stable optical performances against temperature change without temperature control
- Patent guaranteed for concept and structure
- Quasi-hermetically sealed package for outside plant with high reliability
- (Telcordia GR-1209, 1221 Qualified)
- RoHS 6 compliant
- Environment friendly devices

Environmental conditions

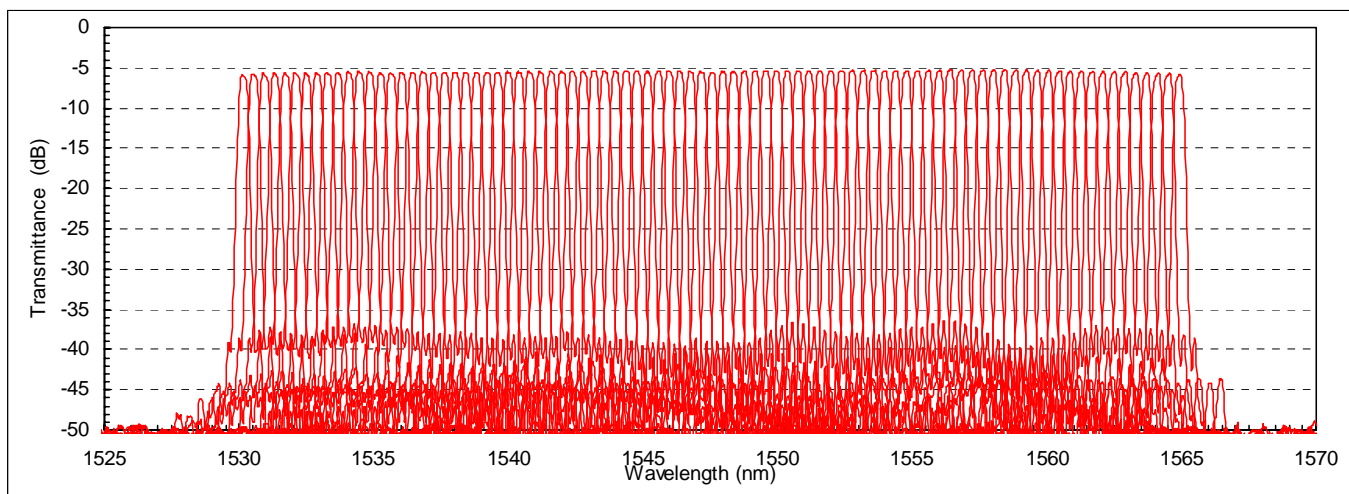
Parameter	Unit	Min	Max
Storage Temperature	°C	-40	85
Operating Temperature	°C	-5	65
Operating Humidity	%RH		100

Specifications

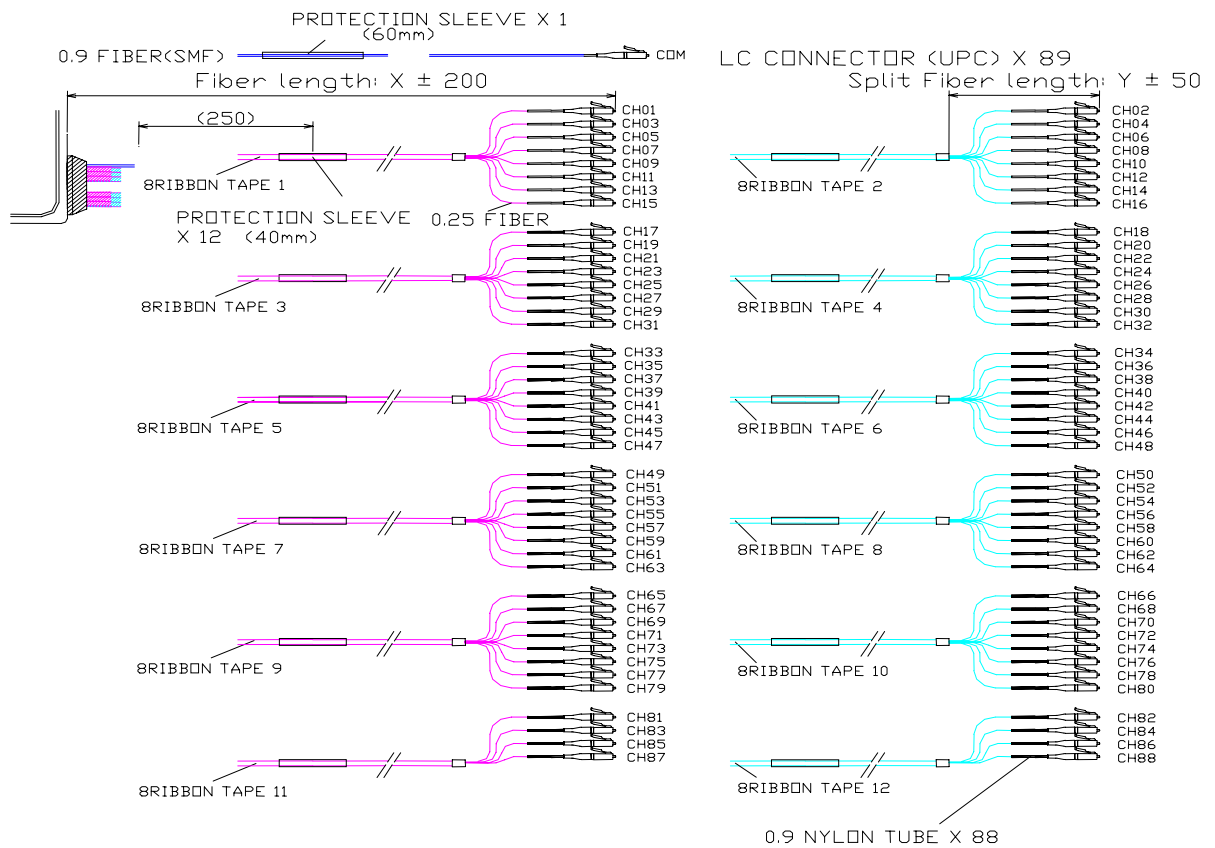
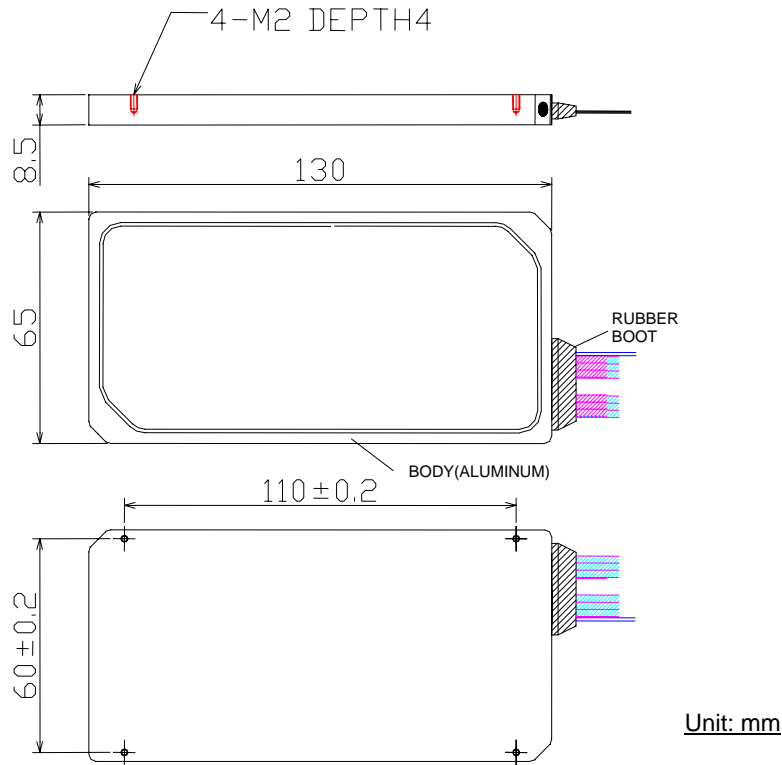
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Parameters	Min	Typ	Max	Unit	Notes
Number of channels			88		Any 40, 44 or 88 channels within Operating Wavelength
Channel Spacing		50		GHz	
Operating Frequency	191.55		195.9	THz	
Passband	-8		8	GHz	
3dB Bandwidth	35			GHz	
Insertion Loss		5.5		dB	Average SOP(state of polarization)
Insertion Loss ripple (in band)		0.6			
Adjacent Crosstalk		-25		dB	Within Passband
Non-adjacent Crosstalk			-30	dB	Within Passband
Polarization Dependent Loss		0.4		dB	Within Passband
Chromatic Dispersion	-60		0	ps/nm	
Differential Group Delay			1.0	ps	
Return Loss	40			dB	
Optical Input Power			+24	dBm	

Performance example



Dimensions



For Example of 88ch 50GHz spacing.
For more information, please contact us.

Optical Interface

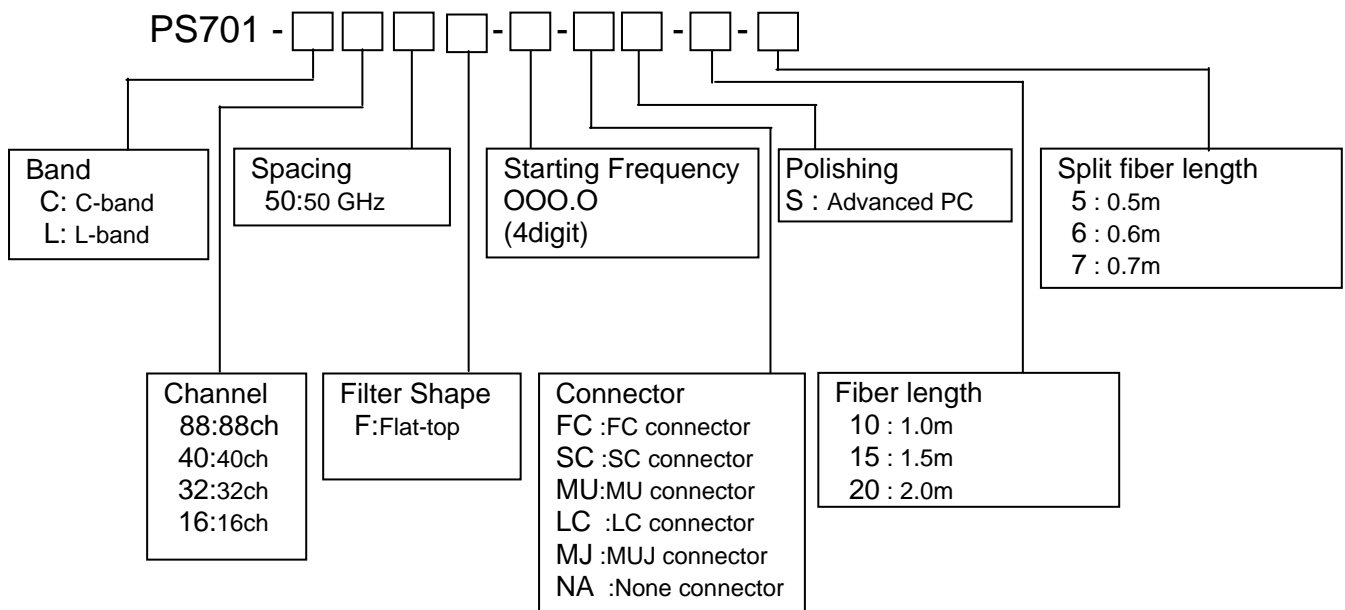
Connector Type

Connector type	Polishing
FC	Advanced PC
SC	Advanced PC
LC	Advanced PC
MUJ	Advanced PC

Fiber Type

Common Port	φ0.25mm UV-coated SMF
Multi Port ribbon	8 or 4 fiber-ribbons SMF
Split portion	φ0.25mm UV-coated SMF or Loose tube

Ordering Information



Furukawa Electric reserves the right to improve, enhance and modify the features and specifications of FITEL products without prior notifications.

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