



## Temperature Compensated Gain Flattening Filter

### TCGFF 1000

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#### Key Features

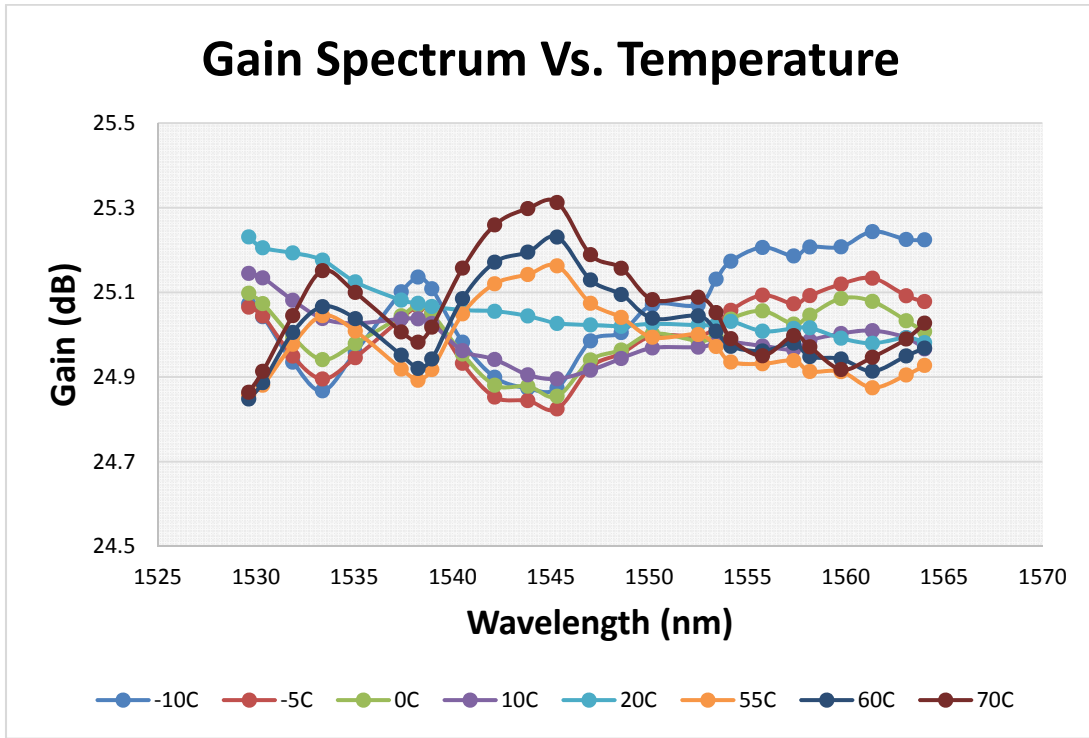
- ✧ Very small size
  - ✧ No power consumption
  - ✧ No control circuit
  - ✧ Perfect gain flatness
- ✧ Differing from conventional gain flattening filter, the TCGFF is a passive component but has temperature dependent insertion loss spectrum which is reverse of the EDFA temperature dependent gain spectrum. So that the EDFA temperature dependency can be compensated without EDF heater and the control circuit. It results in small form factor, low power consumption DWDM EDFA with perfect gain flatness in full temperature range.

#### Specification

Parameter	Specification	Unit
Wavelength Range	1528-1564	nm
Insertion Loss	0.8	dB
Operating Temperature	-10-70	°C
Storage Temperature	-40-85	°C
Operating Humidity	5-95	%RH
Polarization Mode Dispersion (max)	0.1	ps
Polarization Dependent Loss (max)	0.1	dB
Dimension	Φ 5x28	mm



## Application Example



## Ordering Information

