



Passive Temperature Dependent Gain Compensator

TDGC 1000



Key Features

- ✧ Very small size
- ✧ No power consumption
- ✧ No control circuit
- ✧ Perfect gain flatness

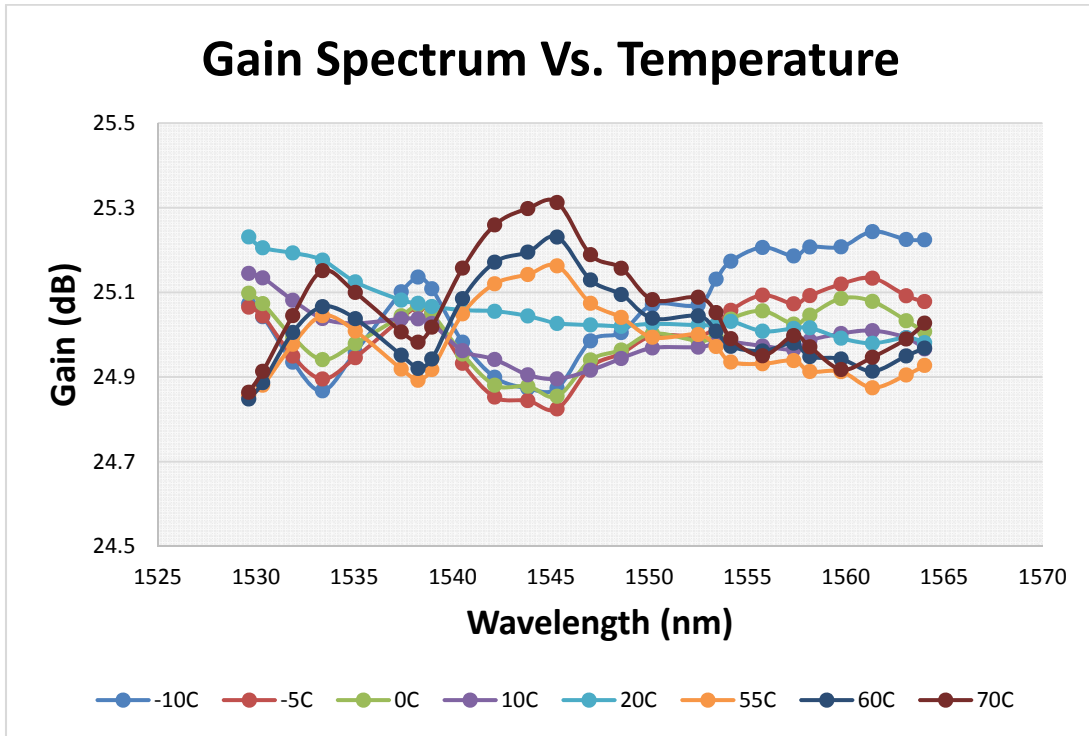
- ✧ The TDGC1000 (Temperature Dependent Gain Compensator) is a passive component designed to replace the erbium doped fibre heater in an Erbium doped fibre amplifier. It eliminates the temperature dependent gain ripple perfectly.
- ✧ It is possible now to make small size DWDM EDFA with perfect gain flatness in full temperature range. .

Specification

Parameter	Specification	Unit
Wavelength Range	1528-1564	nm
Insertion Loss	0.4	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

