

Er-doped Fibre Amplifier (EDFA)

IPR STATUS

Patent filed on Er doped fibre (produced by CGCRI) which is the key component of an EDFA.

APPLICATION/USES

Cable-TV, Optical communication system

SALIENT FEATURES

- Operating wavelength: 1530 to 1565 nm (C-band)
- I/P Signal Power: - 10 to +3 dBm
- O/P Signal Power: 23 dBm (max)

- Optical Gain: 20 to 30dB
- Gain flatness: ± 0.5 dB
- Noise Figure: < 6 dB

LEVEL/SCALE OF DEVELOPMENT

- Commercialized product.
- Commercialized through Industry partner

LINE MINISTRY MAPPING/USER SECTOR

Department of Telecommunications, MeitY/Telecommunication and IT sector



Commercial EDFA for Cable TV (CATV) Network

