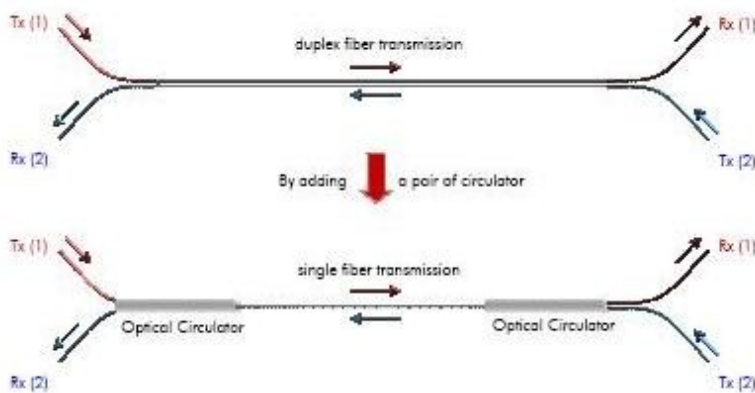


Optical Circulator is an advanced passive optical device capable of doubling fiber utilization.

Optical Circulator is used to convert the “uni-directional transmission configuration” into “bi-directional transmission configuration”.

It solves the link bandwidth/fiber exhaustion problems, by doubling the capacity of the transmissions (fiber utilizations).

It also provides the extra redundancy/protection paths for without adding new fibers (which is very costly, time consuming and additional monitoring equipments required).



Three **reason** using Optical Circulator:

- for new system (additional)
- for back-up
- for maintenance

APPLICATIONS

- Telecommunication network
- Cable television network
- Test equipment
- Fiber optic sensor

PRODUCT FEATURES

- Low insertion loss, High channel isolation, Low dispersion
- Easy installation, Plug n' Play
- Totally passive device,
- Reliable
- Epoxy-free optical path
- Excellent uniformity
- Up to 10Gbps per channel input
- Transparent to bit rate and transmission format
- Smallest package size, easy installation of 19" racks/ as request by customer

ADVANTAGES

- Doubling the fiber utilization
- Reducing fiber leasing cost, by maximizing the lease line bandwidth usage
- Gaining extra paths for redundancy
- No fiber installation cost
- Increase transmission on existing fibers
- No interference with existing equipments

SPECIFICATION OF OPTICAL CIRCULATOR

PARAMETER	CRL-S	CRL-H
Type	Super (S)	High (H)
Operating Wavelength	1310 ± 20 nm or 1550 ± 20 nm	
Fiber Type	Singlemode	Singlemode
Isolation	≥ 40 dB	≥ 35 dB
Insertion Loss	≤ 0.8 dB	≤ 1.0 dB
Polarization Dependent Loss	≤ 0.15 dB	≤ 0.15 dB
Optical Input Return Loss	≥ 50 dB	≥ 50 dB
Polarization Mode Dispersion	≤ 0.15 ps	≤ 0.15 ps
Optical Power Handling	≥ 500 mW	≥ 500 mW
Maximum Tensile Load	> 5 N	> 5 N
Operating Temperature	0 to + 60 °C	0 to + 60 °C
Storage Temperature	- 40 to + 85 °C	- 40 to + 85 °C

Approved by :



TM Research & Development

Type Approved No. : (6.4)ST/TF03/ACC FIBER



OPTICAL CIRCULATOR / CORE SAVER

Distributed by:

ASASRA TEKNIK SDN BHD

Tel: 603-61888331 Fax: 603-61899331

Email: info@asasra.com

Depending on the application wavelengths, NWC Optical Circulator / core saver are available in three types :

- 1310nm (Short Haul - Local Access Network)
- 1550nm (Long Haul - Trunk / Junction Network)
- Wideband (1460~1620)



Price that we specially offer for per unit of NWC Optical Circulator / core saver cum-with accessories as below :

- FC/APC—FC/PC SM Simplex, 3Mtr
- FC/PC—FC/PC SM Simplex, 3Mtr
- FC/APC—FC/PC SM Simplex, 5Mtr
- FC/PC—FC/PC SM Simplex, 5Mtr
- FC/PC Adaptor Zirconia's Sleeve
- 19" Panel c/w Chase & Nut