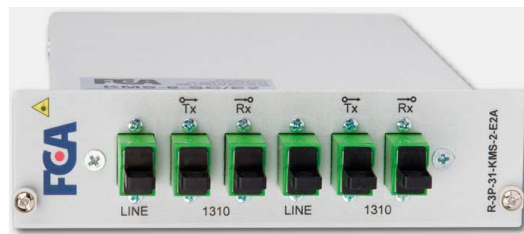


R series

Three-port devices operating in optical fiber networks.



A combination of two R circulators
in a KMS housing

main features:

- working in a II or III optical window;
- bi-directional transmission in a single fiber at a single wavelength, allowing to save twice as much fiber resources.

standards/certificates

- ZN-OPL-049/14
- ZN-OPL-044/13
- RoHS

market segments:



ISP AND CATV
and MOBILE
OPERATORS



DATA TRANSMISSION
OPERATORS



ISP AND CATV
OPERATORS



ENERGY SECTOR



DESIGNERS
AND CONTRACTORS



DEVELOPERS



UNIVERSITIES



SYSTEM
MANUFACTURERS
AND INTEGRATORS



UNIFORMED SERVICES



UTILITY COMPANIES



RAILWAY

R series

technical parameters:

optical circulator	
central wavelength (λ_c) [nm]	1,310 or 1,550
bandwidth (BW) [nm]	± 30
insertion loss [dB]*	< 0.8
separation [dB]	> 50
polarization stability PLD [dB]	< 0.1
temperature stability TDL [dB]	< 0.15
directionality [dB]	> 55
reflectance [dB]	> 55
optical power [mW]*	< 500
housing type and dimensions (W × H × D) [mm]	
Black Box	98 × 14 × 8.5
KMS	35 × 130 × 170
LGX	29 × 130 × 158.5
lead marking	markers or description on the front panel
connector / adapter type	according to customer specifications
operating temperature [°C]	-25 to +70

* the specified value does not take into account attenuation caused by connectors and adapters

R series

configuration:

0	1	2	3	4	5	description
R-						optical circulator
	3P-					3-port
		31-				1,310 nm wavelength
		55-				1,550 nm wavelength
		3155-				two circulators, one for 1,310 nm and one for 1,550 nm wavelength
			BB-			Black Box enclosure
				900-		leads with a 0.9 mm tube
				2000-		leads with a 2 mm cable
			KMS-			KMS housing
			LGX-			single LGX housing
				1-		1 circulator in a housing
				2-		2 circulators in a housing
					NC	no connectors (only for the Black Box housing)
					SCA	SC/APC type connectors / adapters
					E2A	E2000/APC type connectors / adapters

example:

R-3P-31-KMS-2-SCA - a combination of two 3-port optical circulators operating at 1,310 nm, in a KMS type housing equipped with 6 optical ports in the SC/APC connector standard.