



Optical Splitter Modules

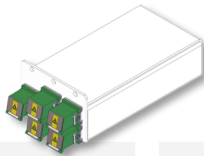
StingRay RF over Fibre

ETL's optical splitter modules are suitable for mounting directly in a StingRay 100 and 200 series chassis with one optical input and either two, four or eight optical outputs. The modules are available with FC/APC or SC/APC optical connectors and can work with any of ETL's RF over fibre modules.

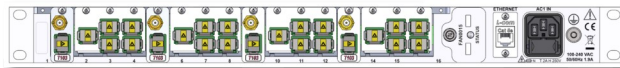
Typical applications:

- Allow distribution of signal to multiple control rooms
- Redundancy for resilient systems
- Ku-band and Ka-band ready for HTS applications
- General satcoms– teleports, video head-ends, TVRO
- Compact solution for small quantity links such as tactical HQ

Optical Splitter Modules



1260 to 1650 nm operating wavelength



Chassis Options



Compact indoor & outdoor 100 & 200 series chassis options, which can be part populated



Resilience from dual redundant hot-swap power supplies, hot-swap fibre modules & fans



Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



10MHz Inject from an external source chassis option



Local control & monitoring via front panel push buttons & display



Outdoor Unit (ODU)



Hot-swap Power Supply (available on some chassis options), Fan & Fibre module



Indoor chassis showing hot-swap power supply modules, fibre modules and fans





Technical specifications and operating parameters

PRELIMINARY

Optical Parameters						
Model Number	SRY-OSP-02-501-xx	SRY-OSP-04-503-xx	SRY-OSP-08-504-xx	SRY-OSP-02-601-xx	SRY-OSP-04-603-xx	SRY-OSP-08-604-xx
Size	2-way	4-way	8-way	2-way	4-way	8-way
Operating wavelength	1260 to 1650 nm					
Insertion Loss	4 dB	8 dB	12 dB	4 dB	8 dB	12 dB
Loss uniformity	0.4 dB	0.6 dB	0.9 dB	0.4 dB	0.6 dB	0.9 dB
Optical Connectors	FC/APC & SC/APC					
	Single mode fibre, use angle polish connectors only					
Non RF Parameters						
Suitable chassis	Any 100 series chassis	Any 100 series chassis	Any 100 series chassis	Any 200 series chassis	Any 200 series chassis	Any 200 series chassis
Module swap	Hot Swap					
Power Consumption	0 W					
MTBF	TBD hours, module MTBF					
Mass	TBD kg					
Size	43.5 x 18 x 205 mm	43.5 x 54 x 205 mm	43.5 x 54 x 205 mm	87.8 x 18 x 150 mm	87.8 x 18 x 150 mm	87.8 x 36 x 150 mm
Environmental conditions						
Operating Temperature	-40 to +85°C					
Storage Temperature	-40 to +85°C					
Location	Indoor use only					
Humidity	20 to 90% non-condensing, relative humidity					
Altitude	10,000 ft AMSL, above mean sea level					

Please see separate datasheets for 100 series & 200 series chassis options.

