2-way S-Band Splitter

Unity gain, 500-3150MHz with 10MHz and DC pass - for use in a 2U GENUS chassis

DIV-G2-SX-204-xxxxxx is a hot swap active splitter with 10MHz & DC pass between the output and common ports. The module provides 0 dB gain with an input impedance of 50 or 75 Ohms, the output is always 50 Ohms. The module is designed to be used with 50 Ohm transmit modules from the StingRay series to produce 1+1 redundant systems. The module is designed to work in Genus 2U chassis and ODUs.

Splitter Modules

Splitter Module
Compact form factor allowing multiple modules to be housed in the Genus chassis. Each module occupies 1 slot in the chassis.

500 - 3150 MHz
foperating frequency range

10MHz & DC pass
from common to multi ports

2-Way active splitter
with unity gain

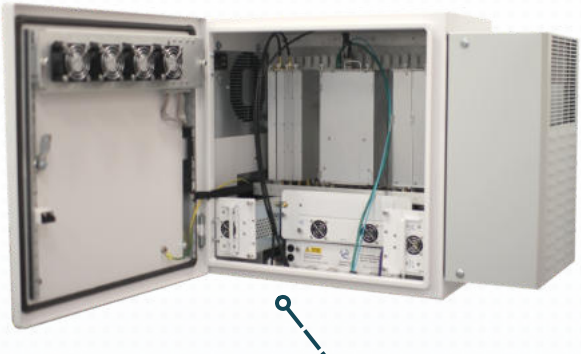
Hot Swap & replaceable
RF module

Chassis

Flexible Module Configurations
choose from a mixture of splitter modules with different operating frequencies.

Compact Indoor & Outdoor
chassis options, which can be part populated.

Resilience
from dual redundant hot-swap power supplies & field serviceable RF modules, HMI, CPU & Fans



Remote control & monitoring
via RJ45 Ethernet port with SNMPv3 & Web Browser Interface

Local control & monitoring
via front panel capacitive HMI touchscreen.

Secure Communications
with SNMPv3, HTTPS

RF Parameters					
Model Number		DIV-G2-SX-204			
Frequency Range		500 to 3150 MHz (S-band)			
Gain		0 dB ± 1.5 dB			
Flatness	850-2150MHz	± 1.0 dB			
	500-3150MHz	± 1.5 dB			
	Any 36MHz	± 1.5 dB			
Return Loss (all RF ports are DC blocked)		50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
		18 dB typical, 13 dB minimum	18 dB typical, 13 dB minimum	16 dB typical, 8 dB minimum	16 dB typical, 8 dB minimum
Isolation		19 dB typical, 16dB minimum			
1dB Gain Compression Point		+5 dBm minimum (output power)			
Noise Figure		9dB typical, 11 dB maximum			
Group Delay Variation		1ns over full band, 0.5ns over any 36MHz			
Max RF Input		+20 dBm total power (Damage level, NOT operational)			
10MHz Ref Bypass		0dB loss			
DC Pass		<1V drop at 500mA Bypass			
Non RF Parameters					
Power Consumption		<3W			
Module Swap		Hot Swap			
Control, Monitoring & Alarms					
Temperature		Each module monitored			
Monitoring Includes		Status of amplifier stage, supply voltage, temperature			
Control		Local and Remote via parent chassis			
Environmental Conditions					
Operating Temperature		-20°C to +60°C			
Storage Temperature		-40°C to +90°C			
Location		Indoor use (ODU options available)			
Humidity		20 to 90% non-condensing			
Altitude		10,000ft AMSL			
Mass		0.4kg typical			
Size		19mm Width x 87mm Height x 225mm Depth			
Tech Spec Version		0.1			

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.