

# 2-way 10MHz Active Splitter

Unity gain - for use in a 2U GENUS chassis

DIV-G2-Y-205-xxxxx is a hot swap active splitter with 10MHz pass between the output and common ports. The module provides 0 dB gain with an input and output impedance of 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.

**10MHz**  
operating frequency

2-Way active splitter

**Unity Gain**  
from common to multi ports

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



Local control & monitoring

via front panel capacitive HMI touchscreen.

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

Secure Communications with SNMPv3, HTTPS



RF Parameters		
Model Number	DIV-G2-Y-205	
Frequency Range	10MHz	
Gain	0 dB $\pm$ 1.5 dB	
Return Loss	50 ohm SMA (All RF ports are DC blocked)	18 dB typical, 15 dB minimum
Isolation	17 dB typical, 14dB minimum	
1dB Gain Compression Point	+5 dBm minimum (output power)	
Noise Figure	10dB typical, 12 dB maximum	
RF Signal Range	<b>Input:</b> -70 to -10dBm (total power) Operational i/p range (Note that all Specifications are only 'typical' between -60 & -70dBm unless otherwise detailed).	
Max RF Input	16 dBm total power (Damage level, NOT operational)	
Phase Noise	1Hz	<-130dBc/Hz
	10Hz	<-143dBc/Hz
	100Hz	<-153dBc/Hz
	1kHz	<-160dBc/Hz
	10kHz	<-163dBc/Hz
	100kHz	<-165dBc/Hz
	1MHz	<-165dBc/Hz
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	0.4	

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.