

2-way 10MHz Active Splitter

Unity gain - for use in a 2U GENUS chassis

DIV-G2-Y-205-xxxxxx 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

Unity Gain

from common to multi ports

2-Way active splitter

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		Input: -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.