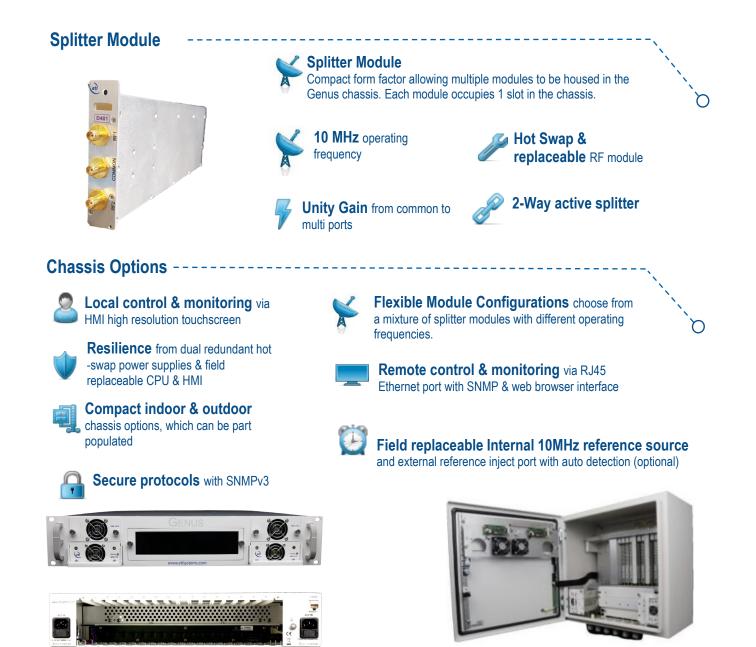


## **10MHz Active 2-Way Splitter** With Unity gain

## Typical applications:

- Teleports & Earth Stations
- Satellite Operations
- Government & Defence applications
- Telemetry, Tracking & Command
- High Resilience applications

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.





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**FACSIMILE** 

**Outdoor Unit** 







## **Preliminary Technical Specifications and Operating Parameters**

RF Parameters		
Model Number		DIV-G2-Y-205
Frequency Range		10MHz
Gain		0 dB ± 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	1 Hz	<-130dBc/Hz
	10 Hz	<-143dBc/Hz
	100 Hz	<-153dBc/Hz
	1 kHz	<-160dBc/Hz
	10 kHz	<-163dBc/Hz
	100 kHz	<-165dBc/Hz
	1 MHz	<-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
Spec Issue		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.

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