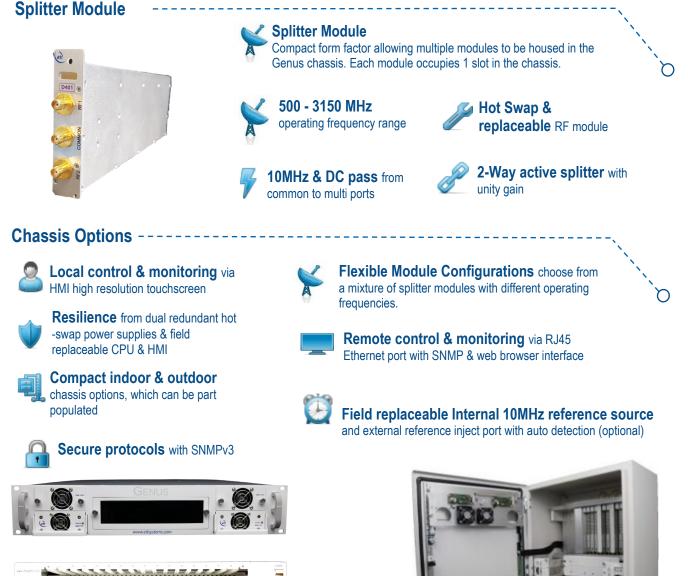


S-band Active 2-Way Splitter Unity gain, 500-3150MHz with 10MHz and DC pass

Typical applications:

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

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.



Indoor Chassis

TELEPHONE

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FACSIMILE

Outdoor Unit





Preliminary Technical Specifications and Operating Parameters

		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	± 0.25 dB
Return Loss (All RF ports are DC blocked)	50 ohm SMA	18 dB typical, 13 dB minimum
	50 ohm BNC	18 dB typical, 13 dB minimum
	75 ohm BNC	16 dB typical, 8 dB minimum
	75 ohm F-type	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
Spec Issue		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.

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