



Broadband Active 2-Way Splitter Unity gain, 50-3150MHz with 10MHz and DC pass

Typical applications:

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

DIV-G2-BX-203-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 Module



Splitter Module

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



50 - 3150 MHz operating frequency range



Hot Swap & replaceable RF module



10MHz & DC pass from common to multi ports



2-Way active splitter with unity gain

Chassis Options



Local control & monitoring via HMI high resolution touchscreen



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



Resilience from dual redundant hot-swap power supplies & field replaceable CPU & HMI



Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



Compact indoor & outdoor chassis options, which can be part populated



Field replaceable Internal 10MHz reference source and external reference inject port with auto detection (optional)



Secure protocols with SNMPv3



Indoor Chassis



Outdoor Unit





Preliminary Technical Specifications and Operating Parameters

RF Parameters		
Model Number	DIV-G2-BX-203	
Frequency Range	50 to 3150 MHz (Broadband)	
Gain	0 dB \pm 1.5 dB	
Flatness	850-2150MHz	\pm 1.0 dB
	50-3150MHz	\pm 1.5 dB
	Any 36MHz	\pm 0.25 dB
Return Loss <small>(All RF ports are DC blocked)</small>	50 ohm SMA	18 dB typical, 13 dB minimum
	50 ohm BNC	18 dB typical, 13 dB minimum
	75 ohm BNC	16 dB typical, 10 dB minimum
	75 ohm F-type	16 dB typical, 10 dB minimum
Isolation	19 dB typical, 16dB minimum	
1dB Gain Compression Point	+5 dBm minimum (output power)	
OIP3	-	
Noise Figure	9dB typical, 11 dB maximum	
Group Delay Variation	1ns over full band, 0.5ns over any 36MHz	
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	20 dBm total power (Damage level, NOT operational)	
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	0.35kg typical TBC	
Size	87mm Height x19mm Width x225mm Length	
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.

