Broadband Active 2-Way Splitter

Unity gain, 50-3150 MHz with 10 MHz and DC Pass

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 Modules



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

10MHz & DC pass
from common to multi ports

2-Way active splitter
with unity gain

Hot Swap & replaceable
RF module

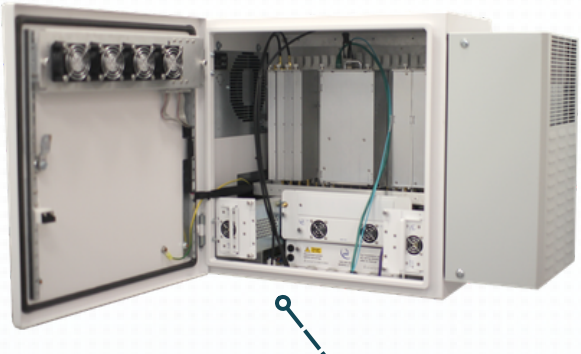
Chassis

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





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

Local control & monitoring
via front panel capacitive HMI touchscreen.

Secure Communications
with SNMPv3, HTTPS

Preliminary Technical Specifications and Operating Parameters					
Model Number		DIV-G2-BX-203			
Frequency Range		50 to 3150 MHz (Broadband)			
Gain		0 dB ± 1.5 dB			
Gain Flatness	850 to 2150 MHz	± 1.0 dB			
	50 to 3150 MHz	± 1.5 dB			
	Any 36 MHz	± 0.25 dB			
RF Connectors & Impedances		50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Return Loss	Typical	18 dB	18 dB	16 dB	16 dB
	Minimum	13 dB	13 dB	10 dB	10 dB
Isolation		19 dB typical, 16 dB minimum			
1dB GCP		+5 dBm minimum (output power)			
OIP3		-			
Noise Figure		9dB typical, 11 dB maximum			
Isolation		Out to Out: 23 dB Min			
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).			
Maximum Input Level		+20 dBm For no damage. None 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			

Control, Monitoring & Alarms	
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 x 19mm Width x 225mm Length

Part number configurator: DIV-G2-BX-203-XXXX

S5S5 - SMA 50 ohm
B5B5 - BNC 50 ohm
B7B7 - BNC 75 Ohm
F7F7 - F-Type 75 Ohm

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.