

Q-Flex

Flexible Modular RF Distribution System



General Description:

The new Q-Flex modular chassis is a compact (4U) housing environment for Quintech RF modules. The Q-Flex provides 21 multipurpose bays which support either single or double width modules.

Features & Benefits

Compact 4RU Modular Chassis
Flexibility to add different modules in the same chassis
Hot swappable splitter and combiner modules
Redundant power supplies for enhanced reliability
Power supply status monitoring
One chassis can house eight 1x16 splitters and two 150W internal power supplies in a redundant configuration

Q-Flex

MODEL	QLS 04 2150	QLS 04 2150	QLS 04 2150	QLS 04 2150	QLS 04 2150	QLS 04 2150
Frequency	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz
Impedance	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω
P1dB	0dBm	0dBm	0dBm	+10 dBm per input	+8 dBm per input	+5 dBm per input
Insertion Loss	0 ± 1 dB	0 ± 1.5 dB	0 ± 1.5 dB	0 ± 1.5 dB	0 ± 1.5 dB	0 ± 1.5 dB
Isolation	26 dB	22 dB	22 dB	22 dB	22 dB	22 dB
Input Return Loss	14 dB	14 dB	14 dB	14 dB	14 dB	14 dB
Output Return Loss	16 dB	14 dB	14 dB	14 dB	14 dB	14 dB
Noise Figure	10 dB	10 dB	10 dB	32 dB	28 dB	28 dB
RF Connectors	Type "F", 75 Ω BNC 75 Ω Output - Type F BNC 75 Ω	Type "F", 75 Ω BNC 75 Ω Output - Type F BNC 75 Ω	Type "F", 75 Ω BNC 75 Ω Output - Type F BNC 75 Ω	Type "F", 75 Ω BNC 75 Ω Output - Type F BNC 75 Ω	Type "F", 75 Ω BNC 75 Ω Output - Type F BNC 75 Ω	Type "F", 75 Ω BNC 75 Ω Output - Type F BNC 75 Ω
Voltage Requirements	5V	5V	5V	5V	5V	5V
LNB Power	18 VDC	18 VDC	18 VDC	18 VDC	18 VDC	18 VDC
Power Consumption	1 W	1 W	1.5 W	1 W	1 W	1.5 W
Mechanical	1Bay in Quintech 4U Modular Chassis	2Bay in Quintech 4U Modular Chassis	2Bay in Quintech 4U Modular Chassis	1Bay in Quintech 4U Modular Chassis	2Bay in Quintech 4U Modular Chassis	2Bay in Quintech 4U Modular Chassis
Weight	0.9 lbs. gross (boxed) 0.7 lbs Net	1.2 lbs. gross (boxed) 0.8 lbs Net	1.6 lbs. gross (boxed) 1.2 lbs Net	0.9 lbs. gross (boxed) 0.7 lbs Net	1.2 lbs. gross (boxed) 0.8 lbs Net	1.6 lbs. gross (boxed) 1.2 lbs Net

*Specifications may vary with connector type. See data sheet for specific performance data.