

75Ω QS Series Signal Distribution

The **QS Series** Signal Distribution product line builds upon the well-known and proven Quintech **LS** and **LC** products. The **QS Series** brings Quintech's excellent flatness and linearity to the extended L-band frequency range and provides increased flexibility with options such as: adjustable gain, signal level and amplifier status monitoring over Ethernet, and adjustable LNB power options to meet your signal distribution needs now and in the future.

850-3000 MHz Operating Range

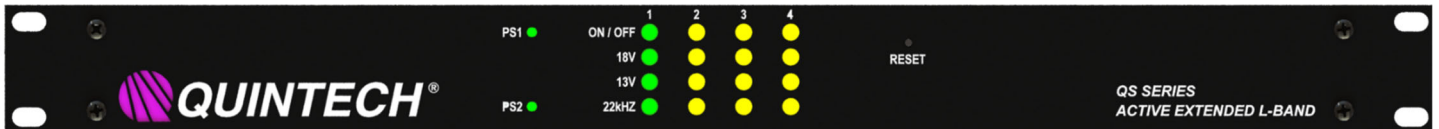
Multiple configurations available in a 1RU Enclosure:
1X2 (single, dual, quad), 1X4 (single, dual, quad), 1X8 (single or dual),
1X16 (single or dual), 1X32 (single)

LNB Power: 750 mA 13/18 V with 22 kHz Tone, or 24V fixed

Passive and Active Configurations available

Up to 15dB of Input Gain

Single and Redundant DC or AC power options



Configurations:	1X2 (single, dual, quad), 1X4 (single, dual, quad), 1X8 (single or dual), 1X16 (single or dual), 1X32 (single)					
Configuration:	75 Ω					
RF Connectors:	F(f), BNC(f)					
Operating Frequency:	850-3000 MHz			850-3000 MHz		
	Divider			Combiner		
	1X4	1X8	1X16	1X4	1X8	1x16
Insertion Loss (passive):						
950-2450 MHz:	-8 +/- 1.5 dB	-11 +/- 2.0 dB	-15 +/- 2.0 dB			
850-3000 MHz:	-8 +/- 2.0 dB	-11 +/- 3.0 dB	-15 +/- 3.5 dB			
Insertion Loss (active):						
950-2450MHz:	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.5 dB	0 +/- 1.5 dB	0 +/- 1.5 dB
850-3000 MHz:	0 +/- 2.0 dB	0 +/- 2.0 dB	0 +/- 2.0 dB	0 +/- 2.0 dB	0 +/- 2.0 dB	0 +/- 2.0 dB
Input P1dB:	0 dBm min			0 dBm each input		
Noise Figure:						
950-2450MHz:	8dB max			22 dB max		
850-3000 MHz:	10 dB max			25 dB max		
OIP3:						
Default Gain:	10 dBm min			10 dBm min		
Input Return Loss (950-2450MHz):	14 dB min			14 dB min		
850-3000 MHz:	12 dB min			12 dB min		
Output Return Loss:	14 dB min			14 dB min		
Isolation:						
Port to Port (same divider):	18 dB min (950-2450MHz), 13 dB min (850-3000MHz)					
Between Dividers:	50 dB min					
Power Requirements:						
AC Input Range*:	100-240 VAC Autoranging 50/60 Hz 2A					
DC Input Range*:	12-24V DC, or -48VDC* via 2-pin quick connect					
	10W Typical power consumption plus customer LNB Power Load					
	Single and Redundant Power options available					
Maximum Input Power: (No Damage)	20 dBm (30 VDC max on any port)					
LNB Power*:	AC Input Option: Switched 24V @500mA*					
	DC Input Option: Switched LNB Power (voltage matches input)					
	13V/ 18V, 22KHz tone switchable @ 750mA max*					

* Denotes optional features

** typical refers to expected product performance that is useful in application of the product but is not covered by the product warranty