

QS/QC Series Signal Distribution

Extended L-Band Splitters & Combiners



General Description:

The **QS/QC Series** product line builds upon the well-known and proven Quitech **LS** and **LC** products. The **QS/QC Series** brings Quitech's excellent flatness and linearity to the extended L-band frequency range and provides adjustable LNB power options to meet all of your signal distribution needs now and in the future.

QS/QC

Features & Benefits:

- 50 Ω 950-4000 MHz Operating Range
- Multiple configurations available in a 1RU Enclosure
- 1X4 (single, dual, quad), 1X8 (single dual), 1X16 (single, dual), 1x32 (single)
- LNB Power: 750 mA 13/18 V with 22 kHz Tone, or 24V fixed
- Passive and Active Configurations available
- Power Supply Status Monitoring
- Single and Redundant DC or AC power options

Specifications:*	950-4000 MHz		
Available Configurations	1X2 (single, dual, quad), 1X4 (single, dual, quad), 1X8 (single or dual), 1X16 (single or dual), 1X32 (single)		
Configuration:	1x4	1x8	1x16
RF Connectors:	SMA (f)		
Impedance:	50 Ω		
Operating Frequency:	950-4000MHz		
Insertion Loss: (Passive) (Splitter)	-8 +/- 2.0 dB	-11 +/- 3.0 dB	-15 +/- 3.0 dB
	950-2450 MHz		
Insertion Loss: (Active) (Combiner)	-8 +/- 1.5 dB	-11 +/- 2.0 dB	-15 +/- 2.0 dB
	950-4000MHz		
Input P1dB:	0 +/- 1.5 dB	0 +/- 2.0 dB	0 +/- 2.0 dB
	950-2450 MHz		
Noise Figure:	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.0 dB
	950-4000MHz		
Input Return Loss:	(Splitter) 10 dB Max.	(Combiner) 23 dB Max	
	950-2450 MHz		
Output Return Loss:	(Splitter) 8 dB Max.	(Combiner) 20 dB Max.	
	950-4000MHz		
Isolation: Port to Port (Same Divider)	10 dBm Min	10 dBm Min	
	950-4000MHz		
Isolation: Between Dividers:	12 dBm	12 dBm	
	950-2450 MHz		
Power Requirements:	14 dBm	14 dBm	
	950-4000MHz		
AC Input Range*:	100-240 VAC Autoranging 50/60 Hz 5A Single and Redundant Power options available		
DC Input Range*:	12-24V DC, or -48VDC* via 2-pin quick connect Single and Redundant Power options available		
Max Input Power (No Damage)	20 dBm (30 VDC max on any port)		
LNB Power*: 10W Typical power consumption plus customer LNB Power Load	AC Input Options: Switched 24V @500 mA*		
	DC INput Options: Switched LNB Power (voltage matches input)		
	13V/18V, 22Hz tone switchable @ 750 mA max*		
Size:	1 RU (1.75" H x 19" W x 7" D)		
Weight:	6 lbs. gross (boxed) 3lbs. net		

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