

RFoF
RF duplexer, quadruple, bi-directional, 4 COM, 4 RF IN / OUT
RS-RFoF08-DUP

Properties

- Quadruple RF duplexer RFoF module:
Includes RF duplexers and variable attenuators.
- Frequency range: 0.4 – 7.125 GHz.
- Adjustable RF attenuation: Software-controlled.
- Chassis compatibility: Fits 3RU CUBO chassis (9 slots) and 1RU CUBO chassis (2 slots).
- Hot swappable modules.
- CUBO rack NIC: Offers WebGUI, SNMP, and RESTCONF interface.



General data		
Suitable products		RS-RFoF08-T13T15R2 , 85214842 RS-RFoF08-T13T15R2W, 85240467 RS-RFoF08-15T2R2W, 85252243 RS-RFoF08-13T2R2W, 85252241 RS-CH3U-0, 85095578 RS-MO-1, 85095577 RS-AC350-1, 85109107 RS-DC350-1, 85115711
Product family		RFoF Lab automation
Module type		modular line card system in 3RU and 1RU
RF data		
Frequency range		400 MHz...7125 MHz
Minimum RF attenuation		
COM to RF IN	400 ... 6000 MHz	11.5 dB
COM to RF IN	6000 ... 7125 MHz	13.0 dB
COM to RF OUT	400 ... 6000 MHz	12.5 dB
COM to RF OUT	6000 ... 7125 MHz	14.0 dB
Attenuation range		0...30 dB
RF isolation RF IN – RF OUT		> 25 dB
RF return loss		RF return loss
	400 ... 6000 MHz	> 13 dB
	6000 ... 7125 MHz	> 11 dB
Maximum RF input power		+ 15 dBm

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Electrical data	
Supply voltage (internal on backplane)	-48 DC
Power consumption	2.4 W
ESD rating	8 kV (contact voltage acc.to IEC 61000-4-2)

Mechanical data	
Dimensions (W x H x D)	37. x 110 x 187 mm
Weight	420 g
Mechanics	Compatible to CUBOchassis RS-CH3U-0 and RS-CH1U

Environmental data	
Operating temperature range (ambient Cubo chassis temperature)	-5 ... +45°C
Storage temperature	-40°C ... 85°C

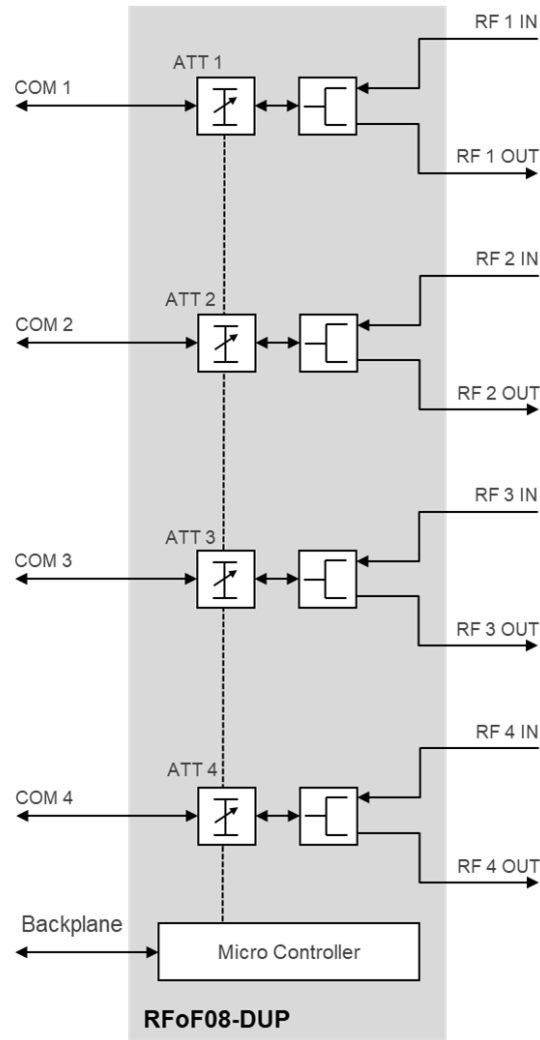
Output of RF connections	
Product family RF connector	SMA
Gender	female
Amount of RF connectors	12 (4x COM, 4x RF IN, 4x RF OUT)

Management Parameter RF duplexers	
Not responding	alarm
Attenuation 1	configuration
Attenuation 2	configuration
Attenuation 3	configuration
Attenuation 4	configuration

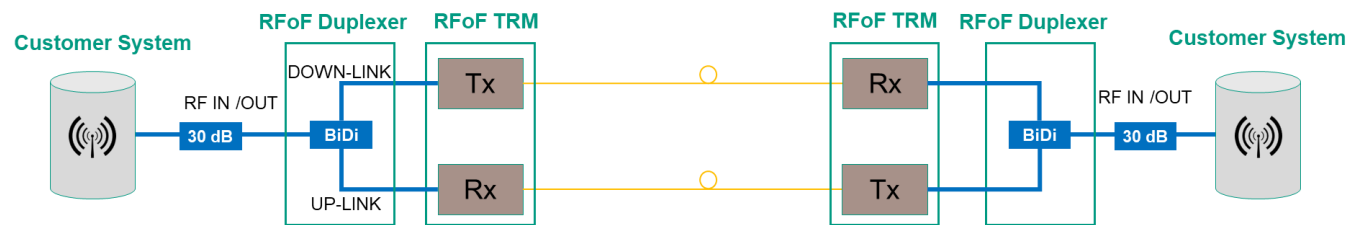
Module Management Parameter	
Not responding	alarm
Card power supply failure	alarm
Temperature out of range	alarm
Part number (read only)	configuration
Firmware version (read only)	configuration
Serial number (read only)	configuration
Card assembly (read only)	configuration
Restore factory settings	configuration
Temperature	measurement
Current consumption	measurement

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Block diagram



Reference Application



Order Information Table

Item number	Item description	Notes
85225216	RS-RFoF08-DUP	Lab automation, RF duplexer, quadruple, bi-directional, 4 COM, 4 RF IN, 4 RF OUT

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