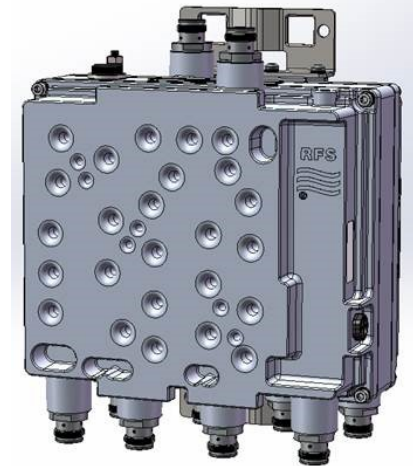




**FQBDWM5020D4-1C**

ShareLite™ 380-960/1427-1880/1920-2200/2300-2690 MHz Quadplexer with Full DC/AISG pass, Dual configuration, 4.3-10 Connectors

The Sharelite FQBDWM Series of quadplexers is designed to enable feeder sharing among systems in the 380-960, 1427-1880, 1920-2200, and 2300-2690 MHz ranges. RFS' innovative cavity filter design provides a very low insertion loss of 0.3dB typical while keeping the product extremely compact and lightweight. The use of highly selective filters guarantees a high isolation level of 50 dB between ports, to ensure an interference-free environment for any technology deployed. The filter design incorporates lightning protection for additional reliability. Designed to withstand the most severe outdoor environments, the quadplexer features an IP67 class protection with a vented enclosure to avoid any possible effects of pressure instability, thus providing a long lasting, extremely reliable solution to any network.



**FEATURES / BENEFITS**

- Dual unit for use with X-pol Antennas
- Full DC pass
- 4.3-10 Connectors - Reduce tower loading with connectors that are 40% smaller and lighter than 7-16 DIN connectors
- Extremely Low Insertion Loss
- High level of Rejection between bands - Protection against interference
- Extremely High Power Handling Capability
- Very compact & small size design - Easy installation and reduced tower load
- Exceptional reliability & environmental protection (IP-67)
- Mounting hardware for Wall and Pole mount provided (P/N SEM2-1A)
- Grounding already provided through the mounting bracket

**Technical features**

**GENERAL SPECIFICATIONS**

<b>Product Type</b>		Quadplexer / Cross Band Combiner
<b>Application</b>		LTE700, LTE800, GSM900, 1500 L Band (LTE Band 32), GSM1800, LTE1800, UMTS, LTE2100, LTE2300, WCS, BRS, LTE2600
<b>Configuration</b>		Dual Indoor/Outdoor

**ELECTRICAL SPECIFICATIONS**

<b>Branch</b>		1, 2, 3, 4			
<b>Frequency Range</b>	MHz	380-960	1427-1880	1920-2200	2300-2690
<b>Impedance</b>	Ohms	50, 50, 50, 50			
<b>Frequency Band</b>		LTE700, LTE800, GSM900, 1500 L Band (LTE Band 32), GSM1800, LTE1800, UMTS, LTE2100, LTE2300, WCS, BRS, LTE2600			
<b>DC Pass</b>		Full DC pass			
<b>Insertion Loss</b>	dB	.30 max., .40 max., .40 max., .30 max.			
<b>GROUP DELAYS</b>	ns	5 max, 25 max, 25 max, 15 max			
<b>Total Group Delay</b>	ns	5 max, 25 max, 25 max, 15 max			
<b>Return Loss</b>	dB	19min. / 22typ., 19min. / 22typ., 19min. / 22typ., 19min. / 22typ.			
<b>Power Handling Continuous, Max.</b>	W	1200 at common port, 300 on each path			
<b>Input Power, PEP</b>	W	3000			
<b>Rejection between bands</b>	dB	50			
<b>3rd Order PIM</b>	dBm (dBc)	-118 (-161) @2x43 typ.			

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**TESTING AND ENVIRONMENTAL**

Temperature Range	°C (°F)	-40 to 65 (-40 to 149)
Ingress Protection		IP67
Environmental		ETSI 300-019-2-4 Class 4.1E
Lightning Protection		EN/IEC 61000-4-5 Level 4

**MECHANICAL SPECIFICATIONS**

RF Connectors		4.3-10 Female; 8 ports in, 2 ports out
Shipping Weight	kg (lb)	6.8 (15)
Dimensions, H x W x D	mm (in)	200 x 235 x 108 (7.9 x 9.3 x 4.2)
Shipping Dimensions, H x W x D	mm (in)	200 x 235 x 108 (7.9 x 9.3 x 4.2)
Mounting		Wall mounting: with 4 screws (maximum 6mm diameter), not included Pole Mounting: with included clamp set, 38-127mm (1.5"-5.0")

[External Document Links](#)[Notes](#)