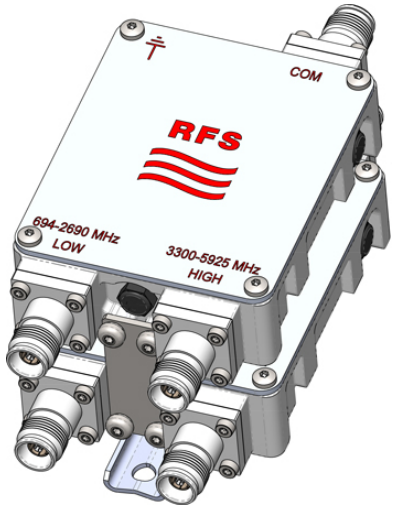
PRODUCT DATASHEET

FDFX55020D2-2C

ShareLite™ 694 - 2690MHz / 3300 - 5925 MHz Diplexer, with DC Pass 694-2690, Dual Configuration, 2.2-5 Connectors

The ShareLite FDFX5 family of diplexers enable feeder sharing between systems in the 694 - 2690 MHz spectrum for Path 1 and 3300 - 5925 MHz (CBRS/LAA) spectrum for Path 2. The innovative design delivers very low insertion loss in an extremely small and lightweight envelope. Selective filters guarantee 50 dB of isolation between ports for an interference free deployment in any environment. An IP67 housing design protects against the most severe outdoor installation with a vented enclosure to eliminate condensation and pressure instability. The result is a long lasting solution with exceptional reliability.



FEATURES / BENEFITS

- Exceptionally compact design, very small footprint
- Dual unit (4:2)
- DC pass 694-2690 (Path 1)
- 2.2-5 connectors
- Extremely Low Insertion Loss
- High power handling capability
- High level of Rejection between bands - Protection against interference
- Superb environmental protection (IP-67)
- Mounting hardware for Wall and Pole mount provided

Technical features

GENERAL SPECIFICATIONS

Product Type		Diplexer, Cross Band Combiner
Application		LTE700, LTE800, GSM900, 1500 L Band (LTE Band 32), GSM1800, LTE1800, PCS, UMTS, AWS, LTE2100, LTE2300, WCS, BRS, LTE2600, CBRS, LAA, 3.5GHz, Band 42, Band 43
Configuration		Single (2:1), Outdoor/indoor

ELECTRICAL SPECIFICATIONS

Branch		1 , 2	
Frequency Range	MHz	694 - 2690	3300 - 5925
Impedance	Ohms	50, 50	
Frequency Band		LTE700, LTE800, GSM900, 1500 L Band (LTE Band 32), GSM1800, LTE1800, PCS, UMTS, AWS, LTE2100, LTE2300, WCS, BRS, LTE2600, CBRS, LAA, 3.5GHz, Band 42, Band 43	
DC Pass		DC pass 694-2690 (Path 1)	
Insertion Loss	dB	0.1 typ, 0.3 max, 0.2 typ, 0.5 max	
Return Loss	dB	19 min / 22 typ., 16 min / 22 typ	
Power Handling Continuous, Max.	W	160	
Rejection between bands	dB	50	
3rd Order PIM	dBm (dBc)	-118 (-161) @ 2 x 43	

TESTING AND ENVIRONMENTAL

Temperature Range	°C (°F)	-40 to 65 (-40 to 149)
Ingress Protection		IP 67
Environmental		ETSI 300-019 2-4 Class 4.1E
Lightning Protection		IEC61000-4-5 Level 4 / 5kA, 8/20 uS

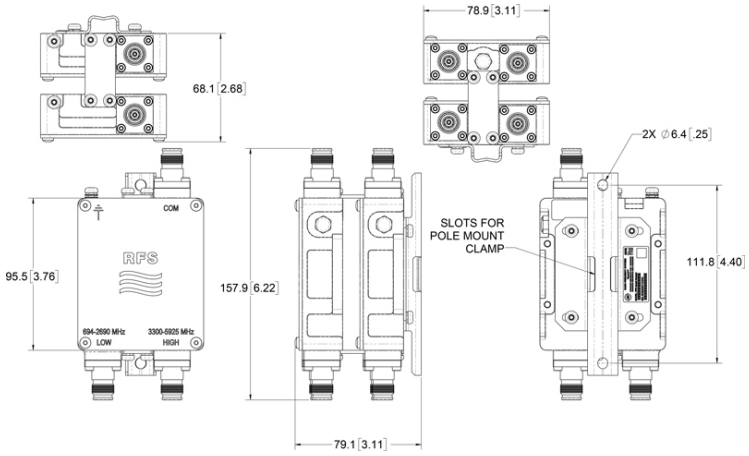
All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

FDFX55020D2-2C

ShareLite™ 694 - 2690MHz / 3300 - 5925 MHz Diplexer, with DC Pass 694-2690, Dual Configuration, 2.2-5 Connectors

MECHANICAL SPECIFICATIONS

RF Connectors		2.2-5, 4 Ports In, 2 Ports Out
Shipping Weight	kg (lb)	1.2 (2.65)
Dimensions, H x W x D	mm (in)	96 x 79 x 30 (3.8 x 3.1 x 1.2)
Shipping Dimensions, H x W x D	mm (in)	96 x 79 x 30 (3.8 x 3.1 x 1.2)
Mounting		Wall Mounting: with 2 screws (maximum 6 mm diameter) Pole Mounting: with included clamp set 40-100 mm (1.6-4.3 inches)



External Document Links

Notes

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