

Product N°: RF0011

Description: Bandpass filter for LTE800 UL band

Electrical specification:

		Units
Passband	832-862	MHz
Insertion loss	2,5	dB max
	2,0	dB typ
Return loss	18	dB min

Rejected band	791 - 821	MHz
Rejection	55	dB min
Rejected band	DC – 791	MHz
Rejection	80	dB min

Rejected band	875-925	MHz
Rejection	30	dB min
Rejected band	925-2690	MHz
Rejection	65	dB min
Rejected band	2690-3500	MHz
Rejection	55	dB min
Operation power CW	10	W max
Impedance	50	Ohm
Connectors	Nf/Nm	

Mechanical specification

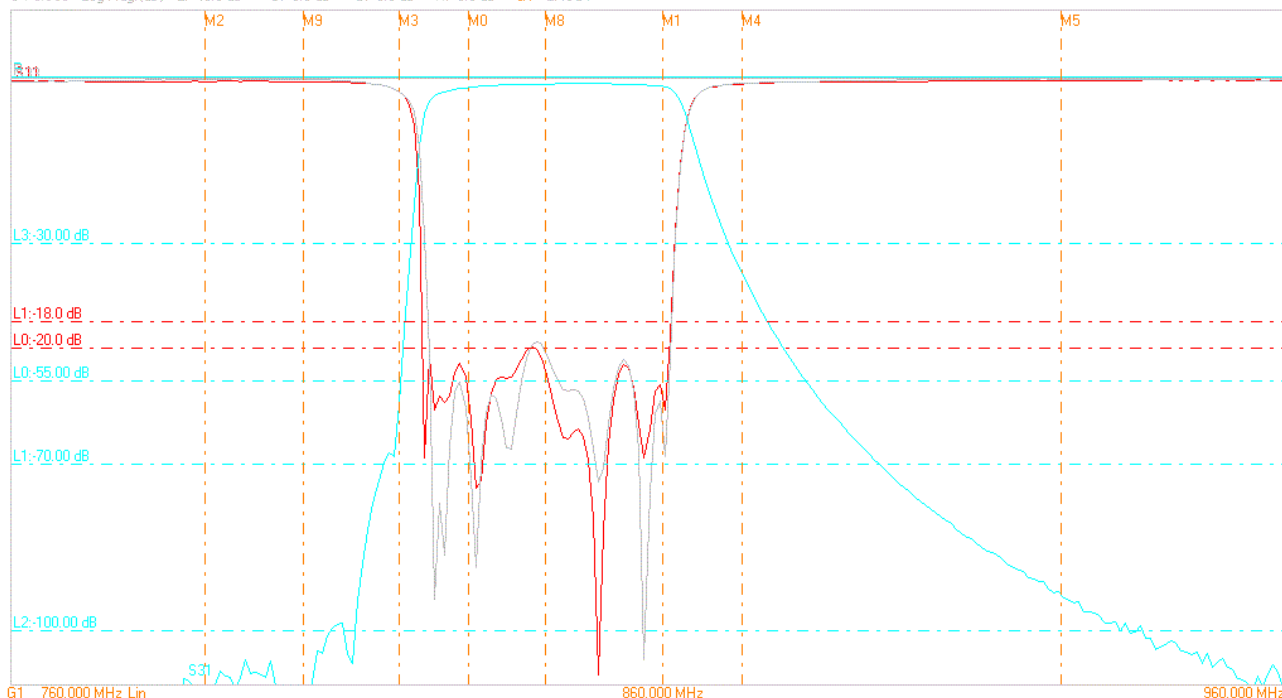
Dimensions	83 x 32 x 50	mm
Weight	0,33	kg max

Others

Temperature range	-10 to +50	°C
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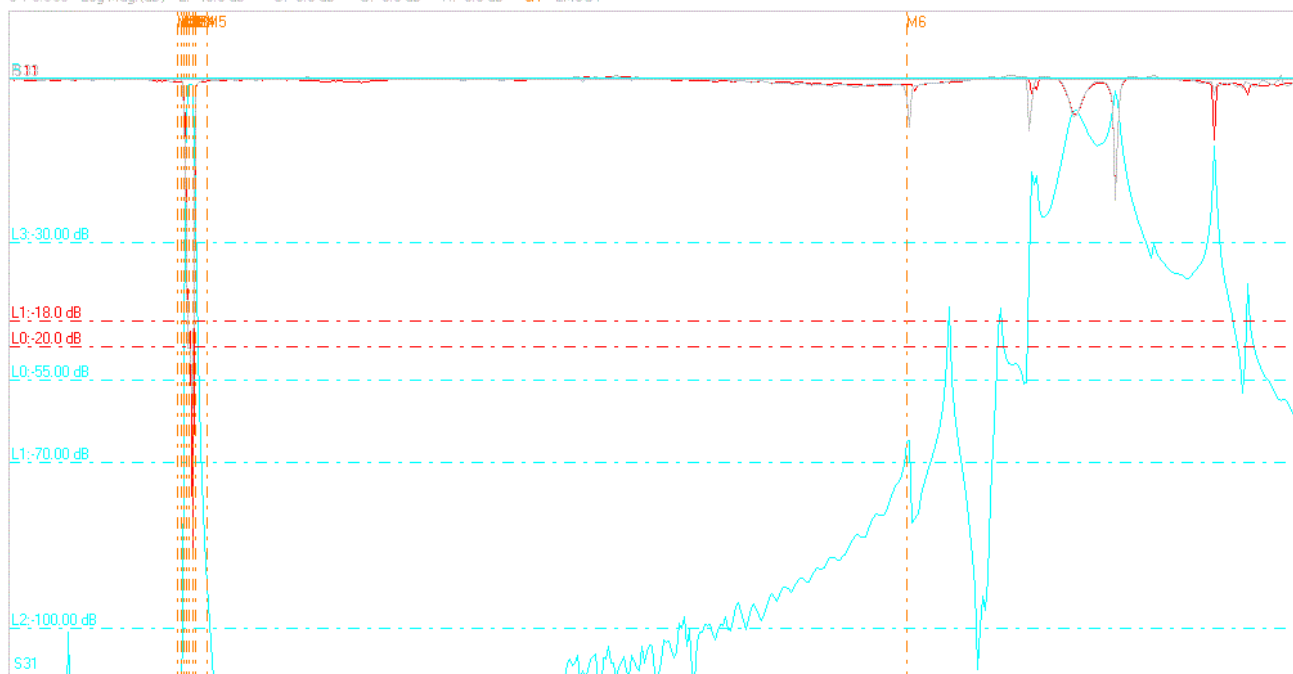


11-2.S11 Log Mag.(dB) L: -45.0 dB U: 5.0 dB O: 0.0 dB R: 0.0 dB G1 LMS01
 31-3.S31 Log Mag.(dB) L: -110.00 dB U: 12.00 dB O: 0.00 dB R: 0.00 dB G1 LMS01
 51-3.S33 Log Mag.(dB) L: -45.0 dB U: 5.0 dB O: 0.0 dB R: 0.0 dB G1 LMS01



Component	Frequency (MHz)	Loss (dB)	Phase (dB)	Return Loss (dB)
G1	760.000 MHz Lin			
M0	832.000 MHz	-24.2 dB	-1.86 dB	-27.8 dB
M1	862.500 MHz	-23.9 dB	-1.77 dB	-26.5 dB
M2	790.500 MHz	-0.2 dB	-115.51 dB	-0.1 dB
M3	821.000 MHz	-1.0 dB	-59.54 dB	-1.0 dB
M4	875.000 MHz	-0.4 dB	-35.65 dB	-0.4 dB
M5	925.000 MHz	-0.2 dB	-93.42 dB	-0.1 dB
M8	844.000 MHz	-21.4 dB	-1.25 dB	-20.2 dB
M9	806.107 MHz	-0.3 dB	-122.68 dB	-0.1 dB

11-2.S11 Log Mag.(dB) L: -45.0 dB U: 5.0 dB O: 0.0 dB R: 0.0 dB G1 LMS01
 31-3.S31 Log Mag.(dB) L: -110.00 dB U: 12.00 dB O: 0.00 dB R: 0.00 dB G1 LMS01
 51-3.S33 Log Mag.(dB) L: -45.0 dB U: 5.0 dB O: 0.0 dB R: 0.0 dB G1 LMS01



Component	Frequency (MHz)	Loss (dB)	Phase (dB)	Return Loss (dB)
G1	10.000 MHz Lin			
M0	832.000 MHz	-13.4 dB	-6.88 dB	-14.5 dB
M1	862.500 MHz	-29.7 dB	-4.85 dB	-20.7 dB
M2	790.500 MHz	-0.2 dB	-125.97 dB	-0.1 dB
M3	821.000 MHz	-2.3 dB	-41.95 dB	-4.0 dB
M4	875.000 MHz	-0.6 dB	-28.63 dB	-0.5 dB
M5	925.000 MHz	-0.2 dB	-91.23 dB	-0.1 dB
M6	4150.000 MHz	-0.4 dB	-68.06 dB	-1.0 dB
M8	844.000 MHz	-19.2 dB	-1.35 dB	-20.1 dB
M9	806.107 MHz	-0.3 dB	-108.76 dB	-0.1 dB