

DDF0015F4V2-1

TWIN DUAL DUPLEXED FILTER E900

The DDF0015 is deployed when co-locating 900 and 850MHz systems. Attenuating the 850MHz downlink band this filter prevents the 900MHz BTS receive being overloaded from 850MHz systems.



FEATURES

- Filters unwanted carrier frequencies introduced when antennas from both 850 and 900MHz services are co-located
- Twin dual duplex structure. 15MHz bandwidth
- Excellent rejection in 850MHz band, low loss, high selectivity
- Factory tuned anywhere in extended 900MHz band if required
- DC Pass available

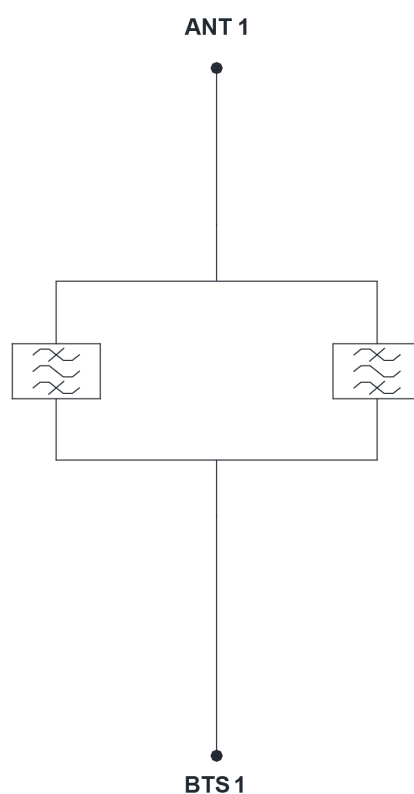
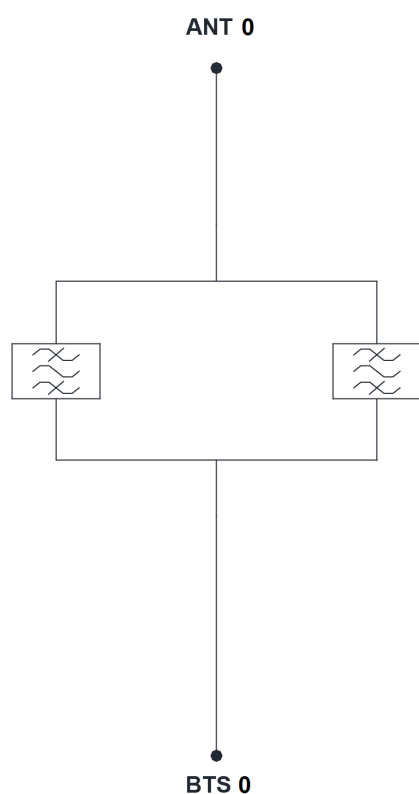
TECHNICAL SPECIFICATIONS

BAND NAME	DOWNLINK (TX) PATH	UPLINK (RX) PATH
RF PERFORMANCE		
Passband	945 - 960MHz	900 - 915MHz
Insertion loss	0.4dB typical	
Return loss	18dB minimum	
Rejection	52dB typical @ 860 - 890MHz	
ELECTRICAL		
Impedance	50ohms	
Intermodulation products	-160dBc max (5th Order, 2x 20 W carriers)	
Maximum input power	120W (average) single carrier 4 carriers, 30W (average per carrier) 800W (PIP)	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-5°C to +65°C 23°F to +149°F	
Ingress protection	IP67 (outdoors)	
Lightning protection	IEC61312-1 8/20us, +/-5kA max DC grounded, all ports	
MTBF	>1,000,000 hours	
MECHANICAL		
Dimensions H x D x W	239 x 217 x 89mm 9.4 x 8.54 x 3.5in	
Weight	8kg 17.63lbs	
Finish	Painted light grey	
Connectors	DIN 7-16 (F) x 4	
Mounting	Pole/wall bracket supplied with two metal clamps for 45-178 mm diameter poles	

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
Other tunings available contact Kaelus for details	
DDF0015F4V2-1	TWIN DUAL DUPLEXED FILTER 900-915/945-960 REJ 52 @890, NO DC

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

