

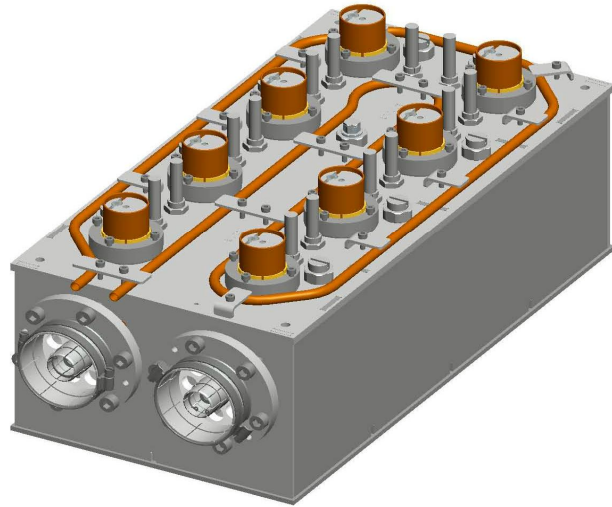
UHF Bandpass filter (liquid cooled)

5 kW rms 6 poles

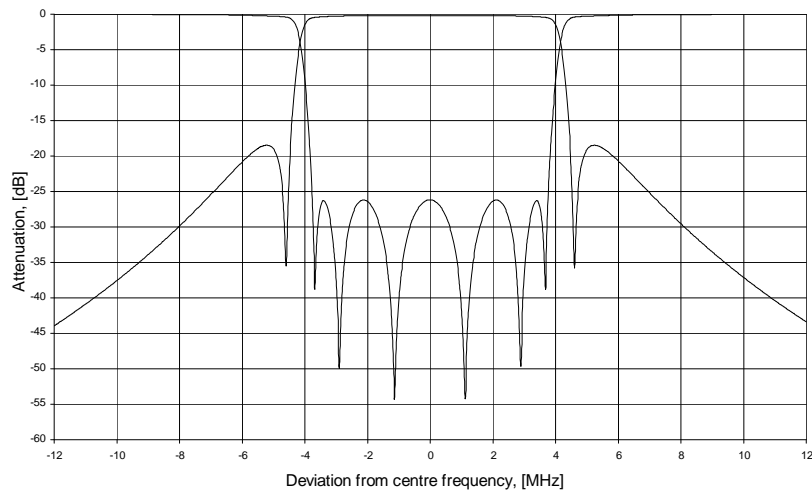
BAND IV-V



SPECIFICATIONS	140 mm series	Option
FREQUENCY	470 - 862 MHz	-
BANDWIDTH	6 - 8 MHz	-
ORDER	6 Poles single cross coupling	6 Poles with or without double cross coupling
ATV	Spurious suppress	-
DVB	Critical mask	-
ATSC	Stringent mask	-
ISDB	Critical mask	-
IMPEDANCE	50 Ohm	-
RETURN LOSS (VSWR)	>26 dB (<1.11)	-
TEMPERATUR STABILITY	<2 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	-5 to 70 °C IP40	-
CONNECTORS	1 5/8" unflange	7/16-m/f, 3 1/8" unflange
DIMENSIONS (L X W X H)	513x335x245-315 mm	-
(Inch)	(20.2x13.2x9.6-12.4 in)	-
WEIGHT	35 kg (77.2 lb)	-
FRAME	Stand alone	19" subrack
COLOUR	Frosted black	-
LIQUID FLOW	6 l/min (1.6 gal liq./min)	
COOLING LIQUID TEMP.	<=50°C (<=122°F)	
LIQUID TEMP. RAISE @ 5kW	1.6°C (2.9°F)	
LIQUID CONNECTION	10mm	



Attenuation & Return loss



TYPICAL DATA *	8 MHz DVB-T	6 MHz ISDB-T	6 MHz ATSC
ART. NO.	BPF46C14A-1W11	BPF46C14A-1W11	BPF46C14A-1W11
INSERTION LOSS			
Avg. signal bandwidth	<0.32 dB	<0.40 dB	<0.40 dB
Center frequency	<0.25 dB	<0.35 dB	<0.35 dB
Signal band edge	± 3.8 MHz <0.75 dB	± 2.79 MHz <0.61 dB	± 2.69 MHz <0.49 dB
	± 4.2 MHz >5 dB	± 3.15 MHz >1.10 dB	± 3.5 MHz >1.35 dB
	± 6.0 MHz >16 dB	± 4.5 MHz >17 dB	± 6 MHz >29 dB
	± 12.0 MHz >41 dB	± 9.0 MHz >47 dB	± 9 MHz >63 dB
GROUP DELAY	<255 ns	<150 ns	<75 ns
MAX INPUT POWER RATING	5 kW / 13 dB (crest factor)	5 kW / 13 dB (crest factor)	5 kW / 11 dB (crest factor)
MASK COMPLIANT	Non Critical mask	Non Critical mask	Stringent mask

* Data in table is typical data at 666 MHz. To fulfil mask transmitter shoulder level must be >36 dB. The filter can be tuned for other specification or bandwidth.