

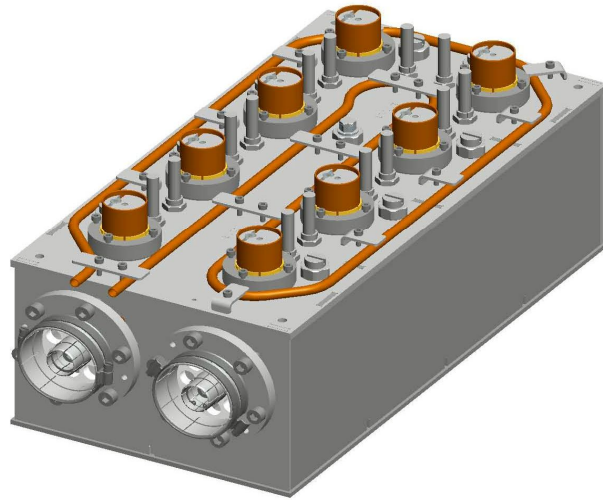
# UHF Bandpass filter (liquid cooled)

## 10 kW rms 6 poles

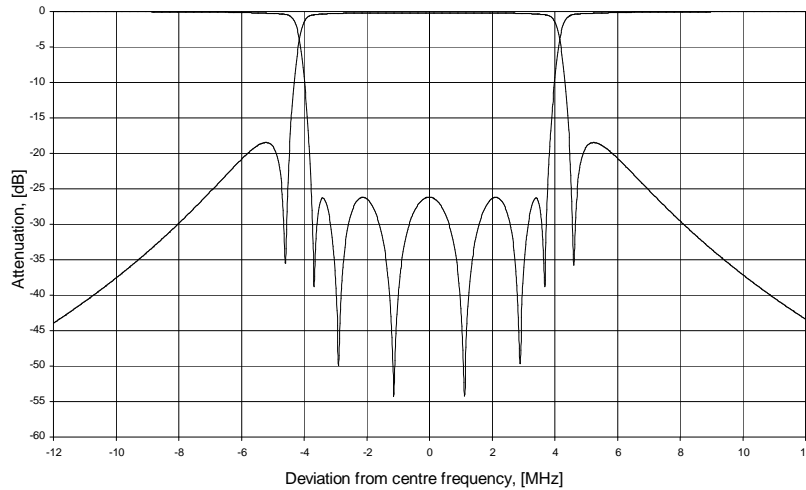
BAND IV-V



SPECIFICATIONS	200 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	Non critical mask	-
ATSC	Stringent mask	-
ISDB	Non 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	3 1/8" unflange NAX120
DIMENSIONS ( L X W X H )	676x475x272-343 mm	-
(Inch)	(26.6x18.7x10.7-13.5 in)	-
WEIGHT	40 kg (88 lb)	-
FRAME	Stand alone	19" subrack
COLOUR	Frosted black	-
LIQUID FLOW	10 l/min (2.5 gal liq./min)	
COOLING LIQUID TEMP.	<=50°C (<=122°F)	
LIQUID TEMP. RAISE @10 kW	2°C (3.6°F)	
LIQUID CONNECTION	10mm	



Attenuation & Return loss



TYPICAL DATA *	8 MHz DVB-T	6 MHz ISDB-T	6 MHz ATSC
<b>ART. NO.</b>	BPF46C20A-1W33	BPF46C20A-1W33	BPF46C20A-1W33
<b>INSERTION LOSS</b>			
Avg. signal bandwidth	<0.24 dB	<0.31 dB	<0.30 dB
Center frequency	<0.19 dB	<0.27 dB	<0.27 dB
Signal band edge	± 3.8 MHz <0.58 dB	± 2.79 MHz <0.48 dB	± 2.69 MHz <0.38 dB
	± 4.2 MHz >5.00 dB	± 3.15 MHz >1.00 dB	± 3.5 MHz >1.30 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
<b>GROUP DELAY</b>	<260 ns	<155 ns	<75 ns
<b>MAX INPUT POWER RATING</b>	10 kW / 13 dB (crest factor)	10 kW / 13 dB (crest factor)	10 kW / 11 dB (crest factor)
<b>MASK COMPLIANT</b>	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 combiner can be tuned for other specification or