

UHF 350W Bandpass Filter

Product Specifications

BPF-6-U-350-DF / 78 / 158

Part Number: 202607.01 / 202608.01 / 202609.01



Main Features

- 6 Pole
- 90 mm Cavity Size
- Double Cross Coupling
- 18MHz Bandwidth Tunability
- Temperature Stabilization
- Output Monitor Probe

Electrical Specifications

Electrical Specifications			
Frequency range	470-806MHz		
ADJUSTING DATA	DVB-T/T2	ATSC 1.0/3.0	ISDB-T
Insertion Loss	$f(0) \leq 0.45\text{dB}$	$f(0) \leq 0.55\text{dB}$	$f(0) \leq 0.6\text{dB}$
	$f(0) \pm 3.8\text{MHz} \leq 1.4\text{dB}$	$f(0) \pm 2.7\text{MHz} \leq 0.9\text{dB}$	$f(0) \pm 2.79\text{MHz} \leq 1.6\text{dB}$
	$f(0) \pm 3.9\text{MHz} \leq 1.9\text{dB}$	$f(0) \pm 2.93\text{MHz} \leq 1.2\text{dB}$	
Attenuation	$f(0) \pm 4.2\text{MHz} \geq 4\text{dB}$	$f(0) \pm 3.5\text{MHz} \geq 10\text{dB}$	$f(0) \pm 3.15\text{MHz} \geq 7\text{dB}$
	$f(0) \pm 6.\text{MHz} \geq 20\text{dB}$	$f(0) \pm 6.\text{MHz} \geq 29\text{dB}$	$f(0) \pm 4.5\text{MHz} \geq 22\text{dB}$
	$f(0) \pm 12\text{MHz} \geq 41\text{dB}$	$f(0) \pm 9\text{MHz} \geq 63\text{dB}$	$f(0) \pm 9\text{MHz} \geq 47\text{dB}$
Harmonic Attenuation	$\geq 80\text{dB}$ up to 1.2GHz	$\geq 80\text{dB}$ up to 1.2GHz	$\geq 80\text{dB}$ up to 1.2GHz
Return loss / VSWR	$\leq 23\text{dB}/1.15$	$\leq 23\text{dB}/1.15$	$\leq 23\text{dB}/1.15$
Group delay variation	$< 400\text{ns}$	$< 250\text{ns}$	$< 450\text{ns}$
Temperature Stability	$< 2\text{kHz}/\text{K}$		
Max Power Output	350 W		
Impedance	50 Ω		

Environmental Specifications

Operating Temperature Range	-10°C to +55°C
Max Operating Temperature (Body)	65°C
Relative Humidity	5% - 95%
Barometric Pressure	55 KPa - 106KPa

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300 Knightsbridge Parkway | Suite 150 | Lincolnshire | IL | 60069

Phone: +1 (847) 415 2258 Fax: +1 (847) 415 2112

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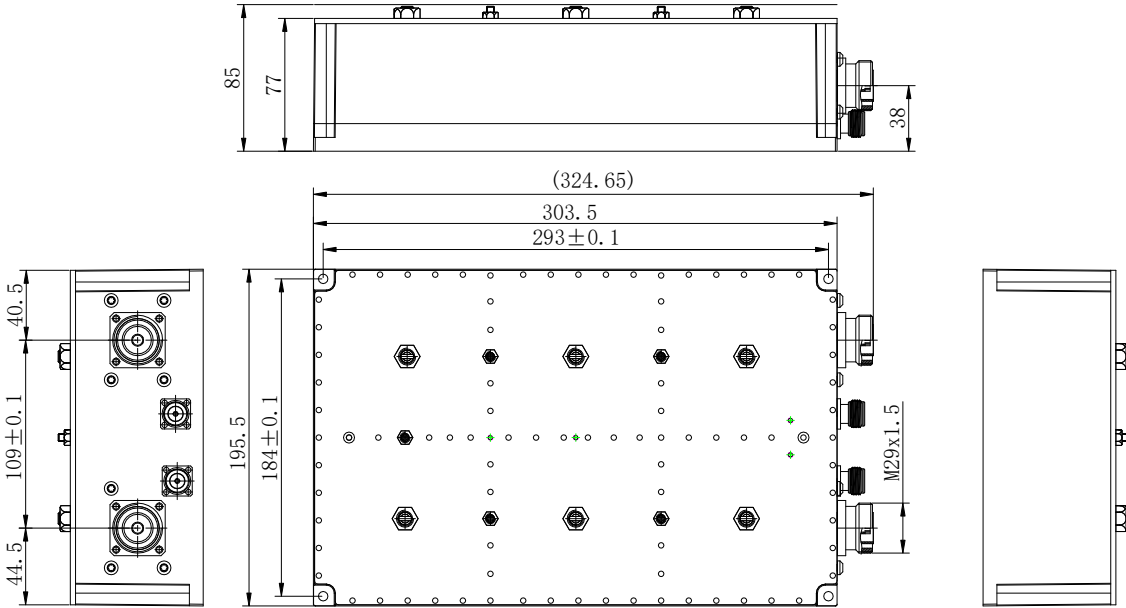
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Mechanical Specifications

Connectors (Input / Output)	DIN female	202607.01
	7/8" EIA	202608.01
	1 5/8" EIA	202609.01
Output Monitor Probe	N female	
Weight	4.3kg	
Outer Dimension (mm)	303.5 * 19.5 * 85mm	
Mounting	Wall or pole	
Packing	1 Piece per box	



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