

# VHF B.III 3-Pole 30 mm Bandpass Filter

**CL3N30B**

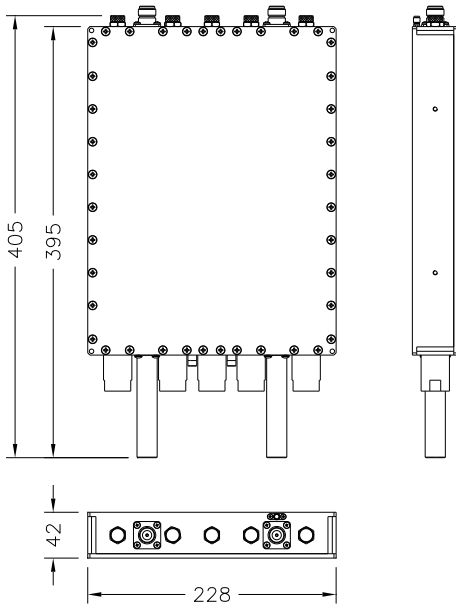
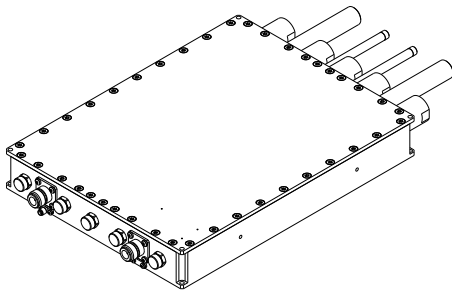


**FEATURES**

- 30 mm Cavity Size
- 3-Pole+2-Notch
- DC Short
- Output Monitor Probe
- Unified Connector Interface

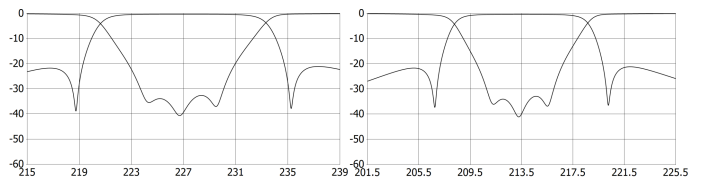
**OPTIONS**

- 19" Rack Shelf



**SPECIFICATIONS**

Code / Revision	A-CL3N30B / A
Order / Cavity Size	3-Pole+2-Notch / 30 mm
Frequency Range / Bandwidth	174-240 MHz / 6-8 MHz
Temperature Stability	< 6 kHz/K
Max Operating Temperature	65°C (149°F)
Environmental Conditions	-5 to +55°C (+23 to +131°F)
	IP60, EN 3,1
Dimensions / Weight <sup>(1)</sup>	228x42x405 mm / 3.5 kg (7.7 lb.)
Output Monitor Probe	SMA Female
Unified Connector Interface	2 x 25 mm Series
Connectors <sup>(2)</sup>	D-PC25C N Female (Default)
	D-PC25E 7-16 Female
Options <sup>(2)</sup>	O-RK.02 1U 19" Rack Shelf, w/ panel and handles



**TUNING DATA <sup>(2)</sup>**

	<b>CCIR B Standard</b>		<b>FCC M Standard</b>			
Tuning Code / Bandwidth	T-3N.05 / 7 MHz		T-3N.04 / 6 MHz			
Max S.P. Input Power <sup>(3)</sup>	350 W		300 W			
Efficiency (Typ.)	91%		89%			
Insertion Loss	174 MHz	230 MHz	174 MHz	216 MHz		
	V.C.	< 0.46 dB	< 0.46 dB	V.C.	< 0.56 dB	< 0.56 dB
Selectivity	V.C. -5.5/+11 MHz	> 30 dB	V.C. -4.5/+9 MHz	> 30 dB		
	V.C. -11/+16.5 MHz	> 24 dB	V.C. -9/+13.5 MHz	> 24 dB		
Harmonic Attenuation	> 50 dB up to 550 MHz					
Return Loss / VSWR	> 26 dB / < 1.11					
Group Delay Variation	< 25 ns					

<sup>(1)</sup> Default configuration <sup>(2)</sup> Other Connectors/Options/Tunings available <sup>(3)</sup> Altitude < 1500 m (4,900 ft.), free air, standard environmental conditions