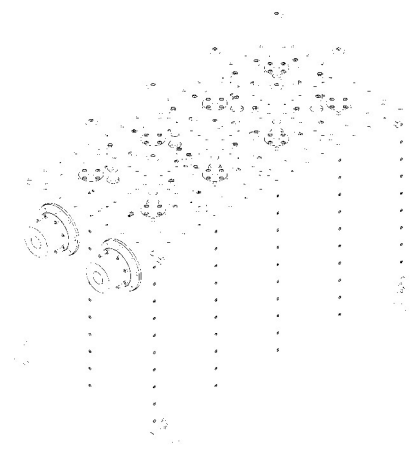


DAB 8-Pole 200 mm Bandpass Filter

TC8D200R

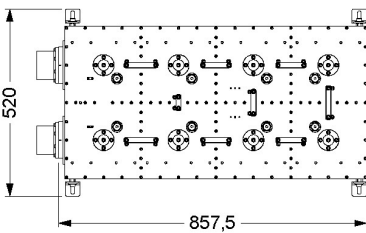
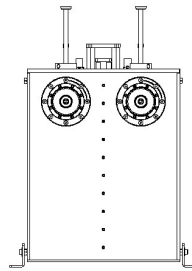
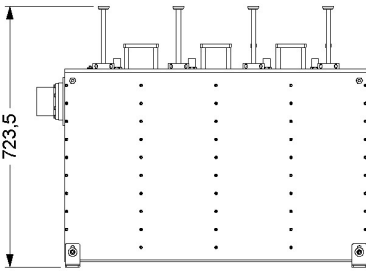


FEATURES

- *DualCross*: Double Cross-Coupling
- Full-Band Tunability
- Temperature Stabilization
- DC-Short
- Output Monitor Probe
- Modular Connector System
- 10-Year Warranty

OPTIONS

- Heat Sinks
- Forced Air Cooling
- Liquid Cooling



SPECIFICATIONS

Code / Revision	A-TC8D200R / B	
No. of Poles / Cavity Size	8-Pole <i>DualCross</i> / 200 mm	
Frequency Range / Bandwidth	174-240 MHz / 1.54 MHz	
Temperature Stability	< 1.0 kHz/K	
Max Operating Temperature (Body)	65 °C (149 °F)	
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60	
Dimensions / Weight ⁽¹⁾	857x520x723.5 mm / 86 kg	
Output Monitor Probe	SMA Female	
Connectors ⁽²⁾	2x 100 mm	Input; Output
	D-PC100M	3+1/8" <i>FastLine</i> Socket (Default)
	D-PC100N	3+1/8" <i>FastLine</i> Flange
	D-PC100P	4+1/2" <i>FastLine</i> Socket
	D-PC100Q	4+1/2" <i>FastLine</i> Flange
Options ⁽²⁾	O-HTC.09	Heat Sinks
	O-FTC.06	Forced Air Cooling
	O-LTC.09	Liquid Cooling
	O-MTS.01	70 °C (158 °F) N.C. Thermal Switch
Liquid Cooling Interface ⁽²⁾ / Coolant	3/8" NPT Male / Water and Antifreeze	

TUNING DATA ⁽²⁾

Bandwidth	Case 3 1.54 MHz	
Tuning Code	T-8DR.01	
Max RMS Input Power ⁽³⁾		(230 MHz)
	Default	2.7 kW
	Heat Sinks	3.3 kW
	Forced Air Cooling	6.7 kW
	Liquid Cooling ⁽⁵⁾	5.7 kW
Efficiency (Typ.)	82%	
Insertion Loss	(174 MHz)	(230 MHz)
	C.F. < 0.57 dB	< 0.64 dB
	±0.77 MHz < 0.68 dB	< 0.77 dB
Selectivity	C.F. ± 0.97 MHz	> 15 dB
	C.F. ± 1.75 MHz	> 45 dB
	C.F. ± 2.20 MHz	> 65 dB
	C.F. ± 3.0 MHz	> 65 dB
Harmonic Attenuation ⁽⁶⁾	> 42 dB up to 500 MHz	
Return Loss (VSWR)	> 26 dB (1.11)	
Group Delay Variation	< 1000 ns	

⁽¹⁾ Approximate, default configuration ⁽²⁾ Other Connectors, Options, Tunings available ⁽³⁾ Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)

⁽⁵⁾ Glycol 30%, Liquid temp. 45 °C (113 °F), Liquid flow 6 l/min (1.6 gal/min) ⁽⁶⁾ Up to 3rd harmonic atten. with LP/LC Series Lowpass Filter