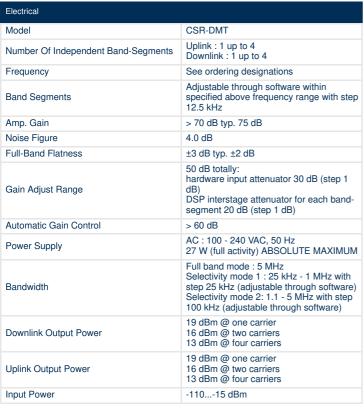


UHF/PMR/DMR/TETRA Channel Selective Digital Repeater

DESCRIPTION

- > Full band bi-directional digitally controlled amplifier with
- > Built-in DSP filtering that is highly flexible and configurable on site.
- > Two version available cover UL/DL of 380 395 and 410 425 MHz.
- The CSR-DMT is a UHF full band bi-directional digitally controlled amplifier with built-in DSP-filtering that offers communication improvement in Public Safety, DMR, LMR, PMR systems.
- > Full band repeater.
- Digital processing based filtering.
- > Fully reconfigurable through software.
- Four band-segments in UL/DL directions.
- Bi-directional.
- UL & DL gain is separately adjustable.
- > Automatic gain control.
- Compact design for easy installation.
- Small dimensions and light weight.
- Status indicating LEDs.
- Local control.





Mechanical		
Emi	According to ETSI standards TS 101 789-1	
Connection(s)	N(f)	
Colour	Black (RAL 9005)	
Dimensions	300 x 291 x 103 mm / 11.85 x 11.46 x 4.06 in.	
Weight	Approx. 6.2 kg / 13.67 lb.	
Local Control Interface	USB	
Mounting	8.5 mm dia. (4 holes)	



Environmental	
Operating Temperature Range	0 °C to +40 °C
Ingress Protection	IP55

ORDERING

Model	Product No.	Frequency
CSR-DMT-380	127000001	380 - 385 MHz / 390 - 395 MHz
CSR-DMT-410	127000002	410 - 415 MHz / 420 - 425 MHz

TYPICAL CURVES

Figure 2: Selectivity mode - 25 kHz (half BW).

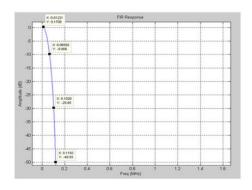


Figure 3: Selectivity mode – 100 kHz (half BW).

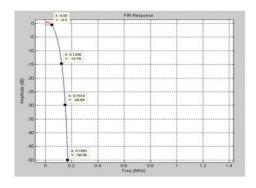
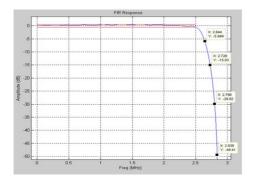
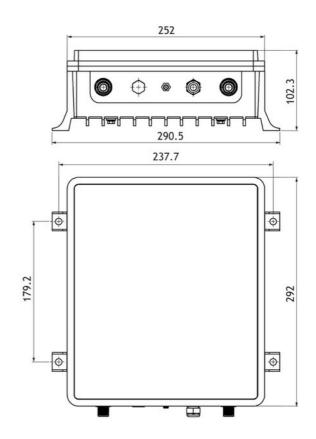


Figure 4: Full band mode – 5 MHz (half BW).

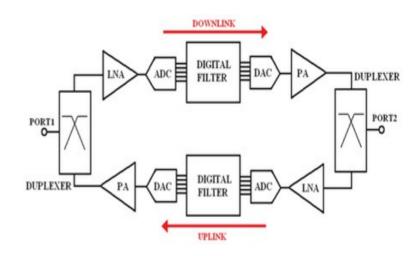


MOUNTING DETAILS



All dimensions are given in mm.

BLOCK DIAGRAM



EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type CSR-DMT is in compliance with EU Directive 2014/53/EU and the UK Radio Equipment Regulations 2017 (S.I. 2017 No. 1206). The full text of the Declaration of Conformity is available at:

https://amphenolprocom.com/images/shop/catalog/pdf-for-catalouges/Declaration-of-Conformity-CSR-DMT 380-410.pdf