

ISCO INTERNATIONAL



Verdium Public Safety Solution Upper C 700 MHz Band

ISCO's Verdium products provide high quality RF performance for all types of wireless networks. They are designed with the specialization and flexibility required to meet your specific configuration and performance challenges as your network evolves to meet today's unprecedented wireless demand.

Verdium Product Features:

- Significant protection from public safety bands
- Twin-path package installs easily and transparently on any duplexed antenna feed
- Integrates with most Node B/eNode B infrastructure
- Provides passthrough of DC and RET signals
- Integrated lightning protection
- Supports indoor or outdoor mounting
- Easy, cost-effective way to address split sectors or added sectors

Verdium Benefits:

- **Reduces requirements for guard bands, providing field proven enhanced performance near public safety bands**
Maximize spectrum used for call and data handling
- **Compact packaging and outdoor enclosure supports wide variety of installation options**
Accommodates any network configuration, indoors or outdoors, including RRH, DAS and eNodeB

Provides protection from nearby public safety signals, improving KPIs and network performance

See back for technical information and specifications

Technical Information and Specifications

Public Safety Solution

RF Performance, Upper C Band (746-757 MHz)

Insertion Loss < 0.6 dB, typical 0.5 dB

Return Loss, All Ports > 18 dB

Power handling > 53 dBm

RF Performance, Upper C Band (776-787 MHz) Standard Configuration

Insertion Loss < 2.0 dB, typical 1.7 dB

Return Loss, All Ports > 14 dB

PIM¹ -153 dBc

Gain Variation (over full bandwidth) < ± 0.5 dB

Rejection at Public Safety (769 – 775 MHz) > 40 dB

Environmental

Operating Temperature Range - 40 to + 60° C

Environmental Sealing - Connectors IP65

Certifications RoHS

Mechanical

Dimensions 14.1(H) x 10.2(W) x 3.5(D) in

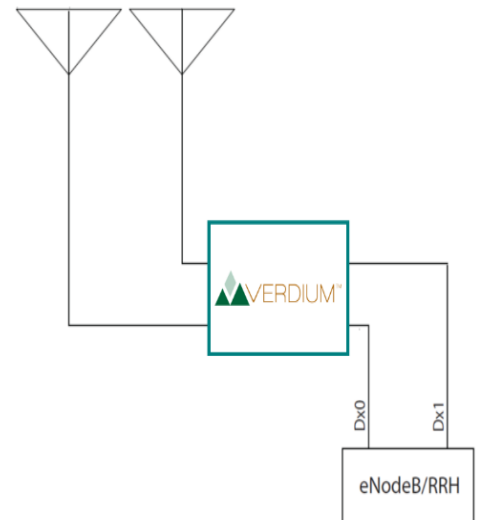
Weight 21 lbs, (9.5 kg)

Connectors DIN 7-16 (F) x 4 (21 mm)

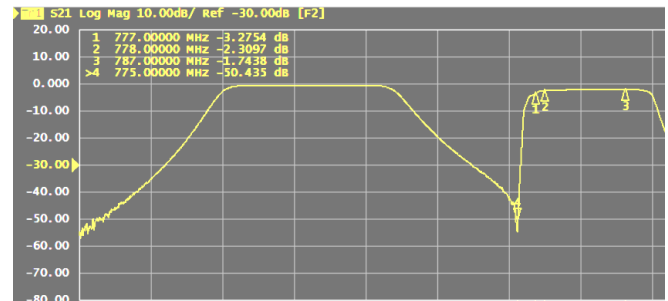
Grounding M8 stud

Mounting Wall mount (mast mount hardware optional)

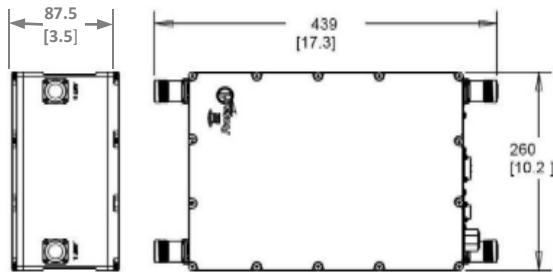
Integration Block Diagram



Frequency Response



¹Test condition: Two +43 dBm carriers anywhere in the TX band applied at BTS port.



Mechanical dimensions, mm [in]



All specifications subject to change without notice.
Please contact ISCO International for complete performance data.

SAL-15-155 REV 4