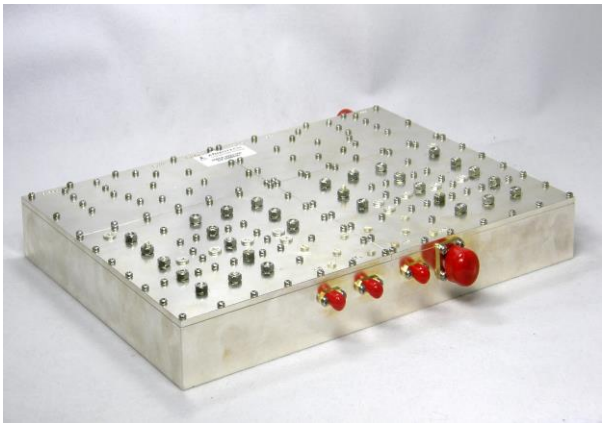
Front End Units for WiMax
ADFEU 2600L

Features



- Front End Units for WiMax composed of Donor FEU & Service FEU. Each FEU is composed of Band-pass Filter and Switching LNA Module.
- 80dB typical Isolation
- 1.0dB typical Insertion Loss
- Fast Switching Time (0.5 μsec)
- Overpower protection (shutdown level : -10dBm)

Description

Up link Front End Units and Down link Front End Units are integrated in one body. ADMOTECH RF Front End Units for WiMax TDD systems feature high performance isolation characteristics and very fast switching time at high power signals. It also offer automatic shutdown and individual switch and LNA alarm functions.

Electrical Specifications

Parameters	Specifications	Remarks
Frequency range	2502 MHz ~ 2568 MHz	
DL Gain	10 dB ± 0.5 dB	
UL Gain	18dB ± 0.5dB	
Gain Variation	Max. 1.0 dB	-40℃ ~ +70℃
PAU Port Loss	Max. 1.0dB	UL PAU to Antenna (@ UL)
Switching Isolation (Min.)	Min. 80 dBc	
Switching Time (Max.)	1.0 μsec	Typ. 0.5 μsec
VSWR	Max. 1.2 : 1	
Noise Figure	2.5 dB Max.	Typ. 2.2 dB
OIP3	Min. +35dB$_m$	Source level : + 10 dB$_m$
Shutdown level	> -10 dB$_m$	
Output Coupling	-30dB ± 1dB	UL PAU → Antenna
Detector range	-10 dB$_m$ ~ -55 dB$_m$	
Handling Power	Max. Average 100W	
DC Bias Voltage	+ 6V	
Detector Range	-10dBm ~ -55dBm	
ALARM	Individual Switch and LNA Alarm	
Operating Temp. Range	-40 °C ~ +70 °C	
Dimension	210.0 × 312 × 59.0 mm	

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