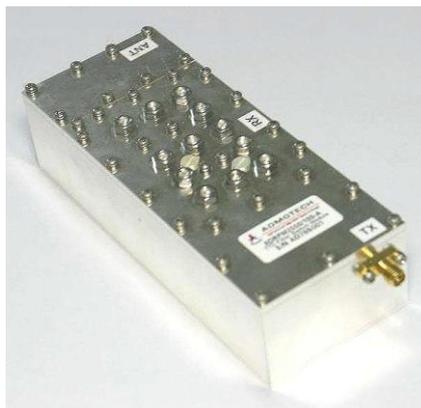


Features

- 80 dB typical isolation (PA to Rx @Tx. Mode)
- 1.6 dB(Tx to Ant) and 2.5 dB (Ant. to Rx. @ Tx. mode) insertion Loss
- Fast Switching Time (1.3 μ sec Typical)
- High Power 50W WiBro 3FA signal capability
- -27 V/5 V DC supply (Option : Only 5 V DC supply available)
- TTL compatible control
- 2.5 dB Rx Noise Figure and 22 dB Rx Gain



Description

ADMOTEC's RFEU designed for WiBro and WiMAX TDD systems is composed of BPF and RF Switch with LNA and Directional coupler. It can offer high performance isolation characteristics and very fast switching time at high power signals. It also offer good insertion loss Tx to Ant(@Tx) and very low noise figure Ant to Rx in the market.

Technical Characteristics

Frequency range	2331.5 MHz ~ 2358.5 MHz
Bandwidth	27 MHz
Insertion Loss	1.8 dB _{max.} (Tx. Port to Ant. Port)
Attenuation	20 dBc @ $f_c \pm 17.73$ MHz / 80 dBc @ 2G/3G Band 40dBc @ 2.7 MHz ~ 12.75 MHz
Isolation	80dBc @2 nd , 3 rd Harmonics 80 dBc _{min.} (Tx port to Rx port @ Tx Mode)
Switching Time	3 μ sec _{max.}
Return Loss, all ports	20 dB _{min.}
Rx Noise Figure	2.5 dB _{max.}
Rx Gain	22 dB _{typ}
DC Bias Voltage	-27 V / +5V (Option : +5V Only)
Power Capability	50W WiBro 3FA signal
Operating Temperature	-35 °C ~ +80 °C
Dimension	76 x 230 x 46 mm