TRANSMITTER BYPASS
Aeronautical, 118 to 869 MHz

TXBP Series

Product Features

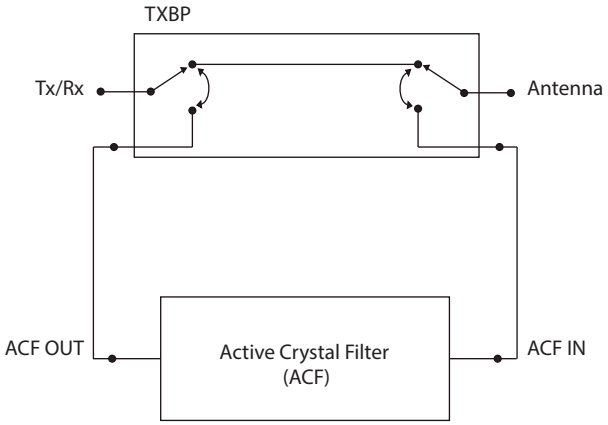
- PIN diode based switch, no mechanical parts
- Allows the use of the Fiplex Active Crystal Filter* (ACF) Series in half duplex and simplex applications
- Low insertion loss
- High Tx/Rx isolation
- Small size
- Ready to be installed with Active Crystal Filters* (DC and RF cable jumpers included)

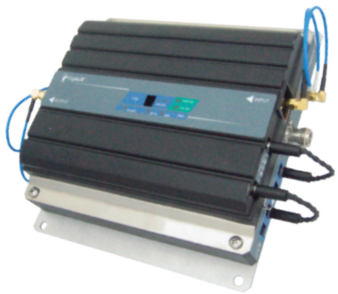
Transmitter Bypass (TXBP)

Applications

- Mobile, base station, portable and any other radio equipment with single Tx/Rx antenna port
- TETRA, P25, DMR, NXDN, Conventional and others
- Air-to-Ground and Ground Communications Systems
- Mobile applications including Vehicles
- Highly congested RF environments
- Available for Aeronautical, VHF and UHF bands

Connection





Active Crystal Filter* (ACF) + Transmitter Bypass (TXBP)

Active Crystal Filter* (ACF) + Transmitter Bypass (TXBP)

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Specification	Value
Type	Transmitter Bypass
Frequency band	**See table below**
Insertion loss	**See table below**
Maximum input power	50 W
VSWR, max	1.31:1 max
RF Connectors	Tx/Rx and antenna ports: N(f) ACF IN and ACF out: SMA(f)
Power, DC	12 VDC 5 W
DC ports	Two DC input ports, main & backup
Dimension	9 x 9 x 1.3 inches • 227 x 228 x 34 mm
Weight	4 lbs • 1.8 kg
Environmental	IP21, indoor applications
Temperature range	14º to 122º F • -10º to +50º C

Model	Frequency band	Insertion loss
TXBP-A1	118 - 137 MHz	0.4 dB
TXBP-11	136 - 155 MHz	0.5 dB
TXBP-12	155 - 174 MHz	0.5 dB
TXBP-41	380 - 430 MHz	0.7 dB
TXBP-42	430 - 490 MHz	0.7 dB
TXBP-43	480 - 527 MHz	0.8 dB
TXBP-71	763 - 806 MHz	1.2 dB
TXBP-82	806 - 869 MHz	1.2 dB