



Ku Band High Power Diplexer

FEATURES

Low TX and RX signal loss <1.3dB
110dB band to band isolation
80W CW power handling

APPLICATIONS

Satcom
UAS
Electronic Warfare
Deep Space Satellite Communication Links

SPECIFICATIONS

Passband1 Frequency Range: 14.4GHz to 14.83GHz

Passband2 Frequency Range: 15.15GHz to 15.35GHz

Insertion Loss (IL): ≤ 1.3 dB

Return Loss all ports : >15dB

Group Delay Variation: 2.5nS p-p max over any 49MHz within Passband

Isolation: ≥ 110 dB

RF Impedance All ports: 50 ohms

Maximum Power Handling: 50W CW

Operating Temperature: -55°C to +85°C

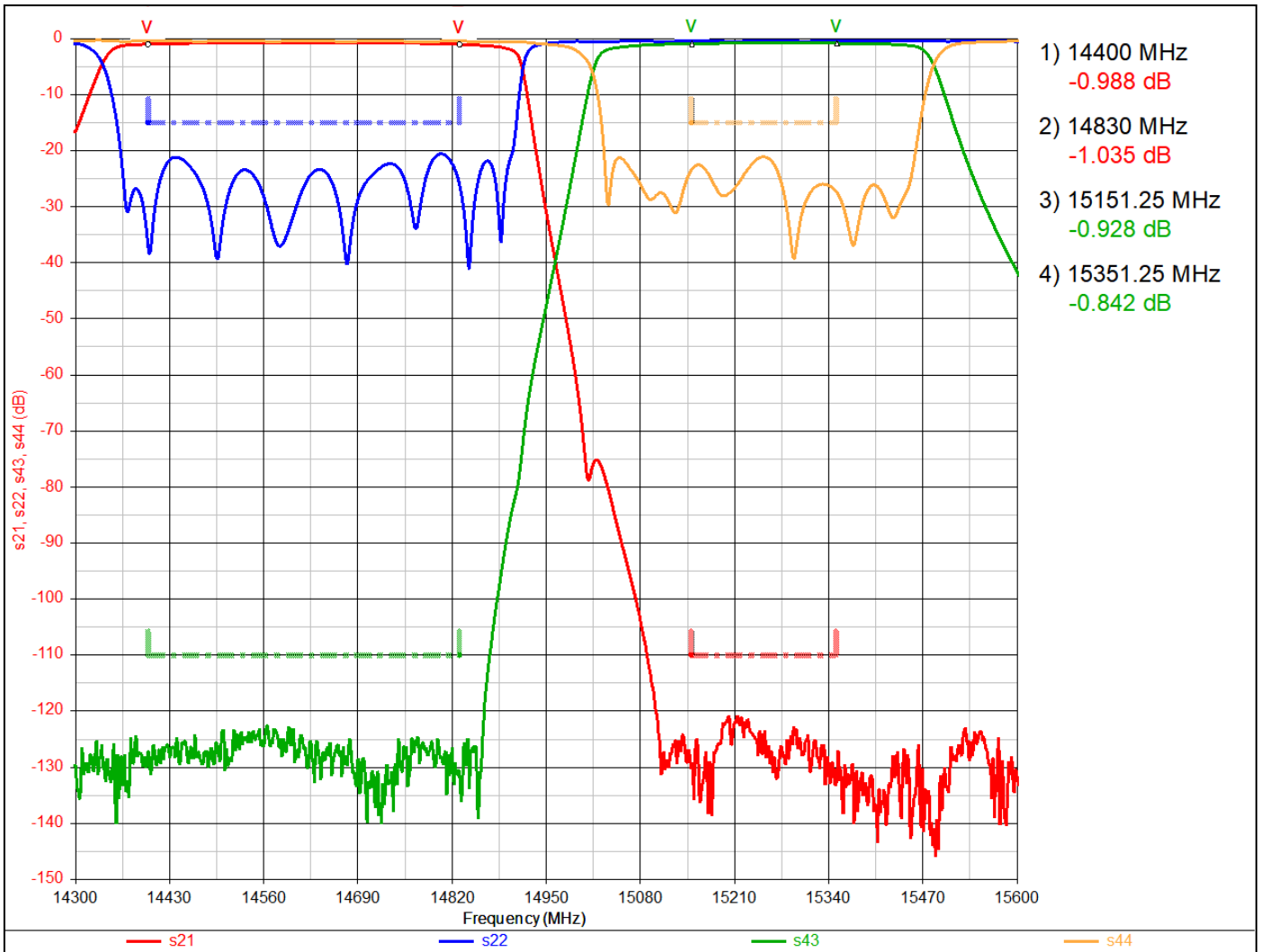
Storage Temperature: -55°C to +105°C

Altitude: 42,000 Feet

Weight: < 130 grams



Representative Plots



Outline

