

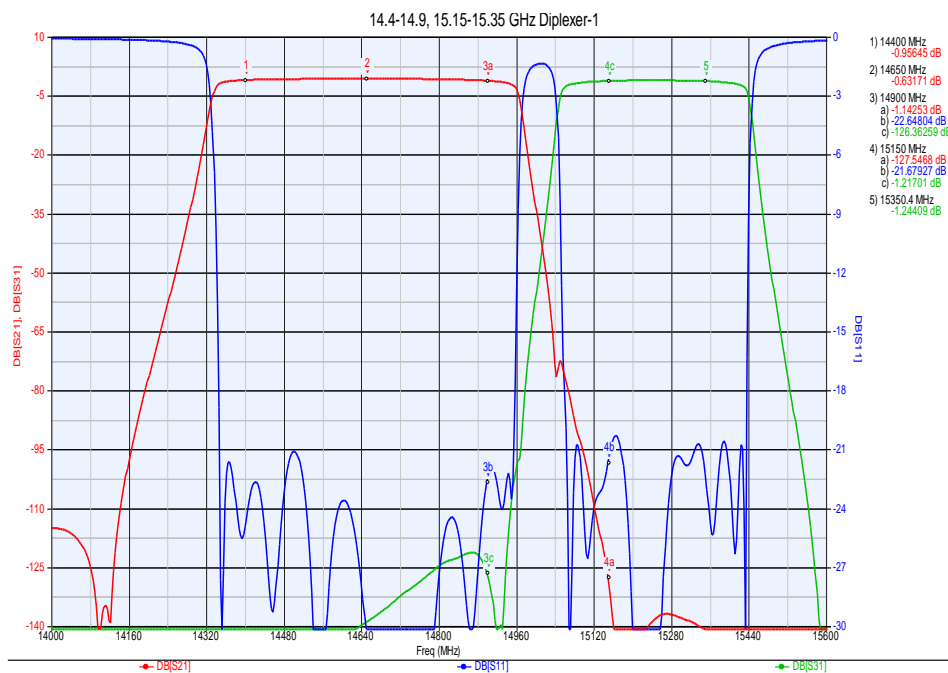
Reactel, Incorporated

Reacting First to All Your Filter Needs.

Common Data Link Cavity Diplexer

2DP3-14.65G/15.25G-X500/X200S11

This unit is specifically designed for use in systems utilizing the Tactical Common Data Link. We have designed a number of variants of this unit with differing attenuation specifications, sizes and connectors. Please contact us for this or any of our other products.



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Picture shown above may not be an actual representation of the unit described.

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Specifications

Channel 1	Passband = 14.4 – 14.9 GHz, minimum Insertion Loss \leq 2.0 dB @ Passband VSWR \leq 1.5:1 @ Passband \geq 45 dB @ 8.5 – 12.0 GHz \geq 80 dB @ 13.32 – 14.15 GHz \geq 95 dB @ 15.15 – 15.35 GHz Group Delay Variation \leq 7 nS @ Passband
Channel 2	15.15 – 15.35 GHz, minimum Insertion Loss \leq 2.15 dB @ Passband VSWR \leq 1.5:1 @ Passband \geq 45 dB @ 8.5 – 12.0 GHz \geq 80 dB @ 15.65 – 15.95 GHz \geq 98 dB @ 14.4 – 14.9 GHz Group Delay Variation \leq 2.5 nS @ Passband
Power	+40 dBm
Operating Temperature	-40° to +85° C
Operating Altitude	40,000 feet
Connectors	SMA Female, all ports
Size	0.5" high x 2.63" wide x 3.88" long, nominal excluding connectors