

SPCL-0646 - Enabling Link 16, TTNT, & IFF to Share a Common Platform

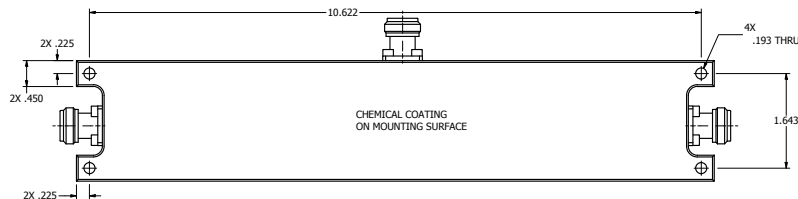
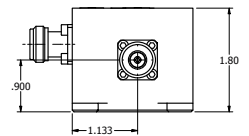
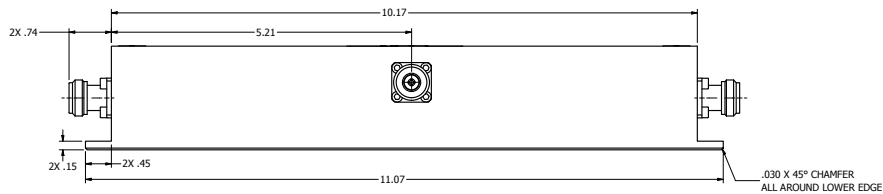
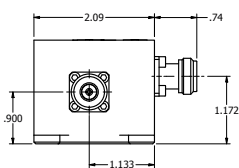
◆ Features:

- SPCL-00646 is K&L Microwave's filtering solution for co-location of Link 16, TTNT, and IFF
- Low-Loss
- High Power
- Rugged Compact Design for Harsh Environments
- Mechanical Dimensions: 10.17" x 2.09" x 1.80"



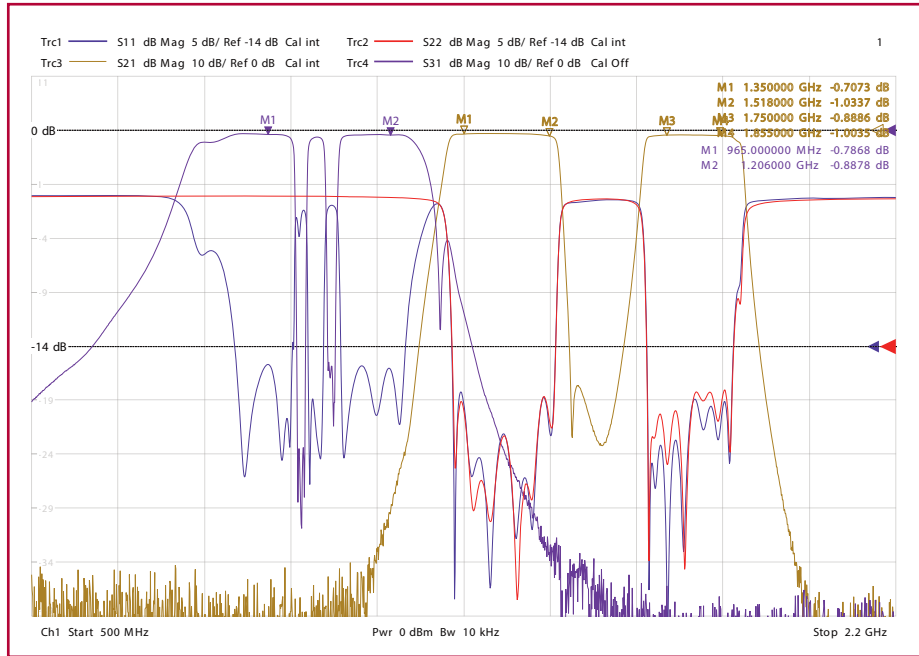
◆ Specifications:

Frequency Range	962-1010	1023-1037	1050-1068	1083-1097	1110-1215	1350-1518	1750-1855
Insertion Loss	2.0 dB Max. (962-1008)		2.0 dB Max. (1053-1065)		2.0 dB Max. (1113-1212)	1.0 dB	1.0 dB
Passband Ripple	+/-0.3 dB		+/-0.3 dB		+/-0.3 dB	+/-0.3 dB	+/-0.3 dB
Group Delay Variation	22 ns Max. (962-1007)		22 ns Max. (1052-1068)		22 ns Max. (1112-1215)	+/-13 ns	+/-13 ns
VSWR (In/Out)	1.5:1		1.5:1		1.5:1	1.33:1	1.33:1
Stop Band/Rejection	3 dBc Max. @ 1012 wrt 962-1010 58 dBa (1023-1037) 3 dBc Max. @ 1048 wrt 1050-1068	58 dBa Min.	3 dBc Max. @ 1070 wrt 1050-1068 3 dBc Max. @ 1108 wrt 1110-1215	41 dBa Min.		965-1206: 65 dB 1565-1585: 42 dB 2700-5000: 60 dB	
Power	400 W Peak 50 W Avg.	250 W Peak 4 W Avg.	400 W Peak 50 W Avg.	250 W Peak 4 W Avg.	400 W Peak 50 W Avg.	250 W Peak 50% Duty Cycle	

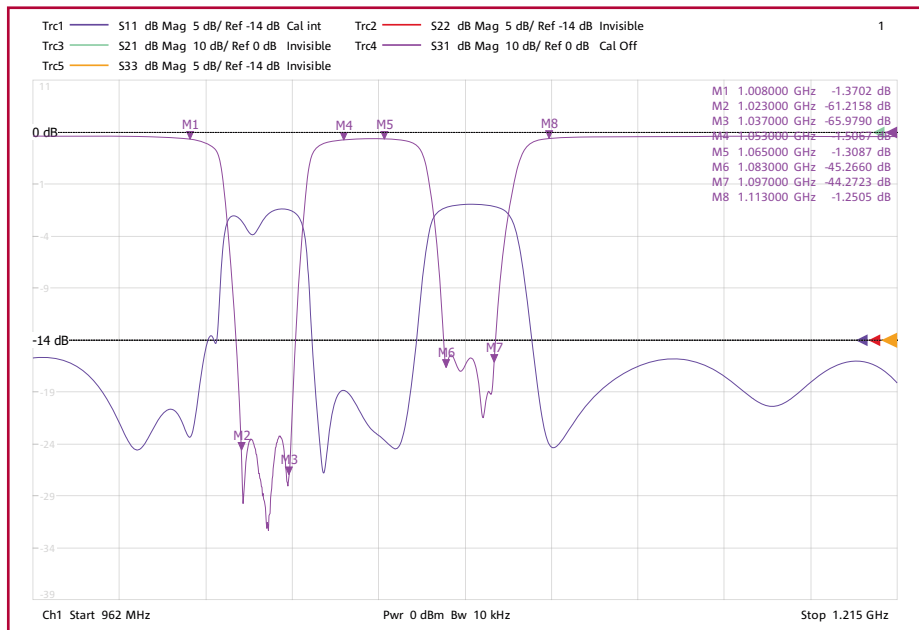


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◆ Performance Data:



S11, S21 and S31: Antenna to Link 16 and TTNT



S11 and S21: Antenna to Link 16 "Notching" IFF (1030-1090 MHz)