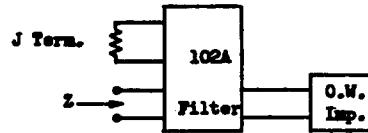
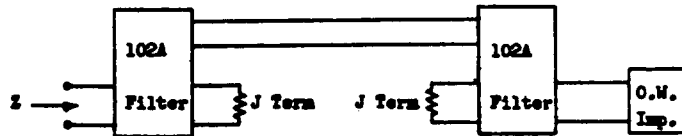


Intermediate Equipment Return Loss

102A FILTER



Freq.	104-Mil Copper Pairs				128-Mil Copper Pairs				165-Mil Copper Pairs			
	6" Spacing		8" Spacing		6" Spacing		8" Spacing		6" Spacing		8" Spacing	
	Z	R.L.	Z	R.L.	Z	R.L.	Z	R.L.	Z	R.L.	Z	R.L.
200	931/35.3	36	905/34.2	44	770/30.9	38	810/29.8	43	586/23.9	27	664/25.6	45
300	794/31.6	33	844/29.4	43	674/24.7	38	711/23.9	40	548/17.8	27	613/18.1	45
500	663/24.1	32	719/22.8	41	595/17.9	38	637/17.3	44	505/11.1	28	573/11.6	45
1000	580/14.4	31	643/14.3	38	554/9.7	38	595/10.2	40	491/4.4	28	557/6.1	45
1500	564/10.2	31	623/11.5	33	544/6.4	36	585/7.6	37	490/1.6	27	554/4.1	45
2000	556/7.9	31	611/10.1	31	542/4.7	38	578/6.5	35	492/0.2	27	552/3.1	45
2200	553/7.3	31	607/9.7	30	542/4.3	38	576/6.3	34	493/1.1	26	551/2.9	45
2500	552/6.6	31	604/9.5	29	539/3.5	36	576/5.8	34	495/1.2	26	551/2.6	45
2900	549/5.8	31	598/9.4	28	540/2.9	36	573/5.6	33	499/2.8	26	551/2.3	45
3000	550/5.6	31	596/9.3	27	540/2.8	36	573/5.6	33	501/3.0	26	551/2.2	45
3200	547/5.3	31	594/9.3	27	537/2.3	35	571/5.5	32	502/3.5	25	549/2.0	45



Freq.	104-Mil Copper Pairs				128-Mil Copper Pairs				165-Mil Copper Pairs			
	6" Spacing		8" Spacing		6" Spacing		8" Spacing		6" Spacing		8" Spacing	
	Z	R.L.	Z	R.L.	Z	R.L.	Z	R.L.	Z	R.L.	Z	R.L.
200	906/36.3	30	984/34.3	45	755/31.4	33	.803/30.1	39	542/23.4	22	655/23.9	37
300	769/32.5	28	843/29.5	41	662/25.0	33	708/24.0	38	508/17.2	22	606/18.2	38
500	661/28.8	25	717/23.1	38	580/18.0	32	630/17.6	38	470/10.0	22	567/11.5	40
1000	554/14.3	26	640/15.2	34	541/9.2	32	588/10.6	36	462/2.7	23	552/5.9	40
1500	537/9.7	26	614/12.4	30	532/5.8	32	575/8.1	33	467/0.6	23	548/3.9	40
2000	529/7.4	26	595/10.9	28	531/3.7	32	565/6.9	31	477/3.0	23	547/2.8	39
2200	528/6.3	26	589/10.5	27	531/3.1	32	561/6.6	31	482/3.7	23	546/2.5	38
2500	525/5.4	26	577/10.1	26	532/2.3	32	557/6.1	30	489/4.5	23	546/2.1	38
2900	525/4.3	26	565/9.5	25	533/1.5	31	551/5.6	29	501/5.2	23	546/1.8	38
3000	525/4.1	26	562/9.3	24	533/1.4	31	550/5.5	28	503/5.3	23	546/1.6	38
3200	523/3.5	26	557/8.9	24	536/0.7	31	545/5.2	28	513/5.5	23	545/1.3	38

- Notes:
1. The table values are based on measurements of typical filters connected as shown and terminated in open wire impedance.
 2. The return losses are between the measured Z's and measured impedances of the open wire termination for the type of circuit indicated.
 3. For description and uses of the 102A filter see Section 354-065-100.