

Equipment Losses at 1000 Cycles

MISCELLANEOUS CARRIER EQUIPMENT

Type of Filter or Equivalent	Approx. Top Frequency	Circuit Layout Code	Loss in db to	
			Side	Phantom
<u>Carrier Line Filters in Side Circuit</u> ϕ				
18	3ko	3K18	0.1	0.1
36	3ko	3K	0.3	0.1*
28	3ko	3K28	0.4	0.1
85	3ko	3K85	0.2	0.1
51 or 121	5ko	5K	0.3	0.1*
64	8ko	8K	0.5	-
102	31ko	34KL	ϕ	-
133 Bridged Station Filter.		BSF	0.1	0.1
<u>Junction Filters in Side Circuit</u>				
Pole Mtd.	3ko	3J	0.3	0.1**
" "	5ko	5J	0.3	0.1**
Office Mtd. Filter } req'd to supplement } Junction Filter }	3ko	3KJ	0.3	0.1*
	5ko	5KJ	0.3	0.1*
<u>Crosstalk Suppression Filters</u>				
99	31ko	SFH	0.2	0.1
105	15ko	SFL	0.2	0.1
<u>Longitudinal Retardation Coils (Type J)</u>				
Any	-	-	0.1	0.1
<u>Longitudinal Noise Suppression Filters (Type K Carrier)</u>				
81A	-	81A	0.2	0.2
81B	-	81B	0.1	0.1
81C	-	81C	0.1	-
81D	-	81D	0.1	-
<u>Type J Alarm and Talking Equipment</u>				
Monitoring Condition		AS	0.1	-
Talking Condition		AS	1.5	-

Notes:

*When a 3K filter or a 3KJ office unit is used on one side of a phantom group and a 5K filter or a 5KJ office unit on the other side, the loss to the phantom circuit is 0.1 db.

**When a 3J filter is used on one side of a phantom group and a 5J filter on the other side, the loss to the phantom circuit is 0.1 db.

ϕ A network used in one side circuit to balance a carrier line filter in the opposite side has the same loss as the corresponding filter.

ϕ Loss varies with impedance for which filter is strapped, as follows:

Filter Strapping - Ohms	500	510	520	530 ⁵³⁰⁻	560	570	580	590	600
Loss in db	.75	.55	.35	.07	.14	.21	.28	.35	