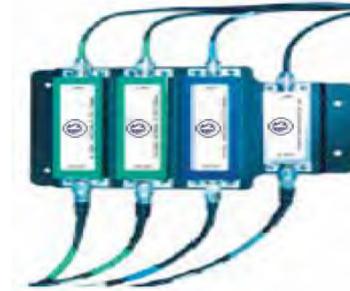




RF Filter Kits

Eliminate internal and external RF interference, with Filter Kits designed and built to withstand the challenging environment a locomotive faces while on the road.



- Weather-proof (IP67 rated) design enables installation within the antenna farm instead of the cab vestibule
- All surfaces treated with corrosion resistant material
- Mounting Plate is weld-on ready
- Compatible with most other antenna systems that are currently in use

For Positive Train Control (PTC) it's essential Advanced Civil Speed Enforcement System (ACSES) messages make it to the locomotive without RF interference from external elements in the atmosphere or other train control system. In today's connected world, multitudes of filter kits are available, but picking one for a railroad environment can be a challenge. Lighter duty kits, need to be shielded from the elements by mounting it in the vestibule, where space is already at a premium. The preferred mounting location is the antenna farm on top of the locomotive, but you'll need a kit that can withstand rain, sleet and snow.

ACS-RS RF Filter Kits are constructed of durable machined components in order to withstand outdoor mounting. An IP67 rating and a weld-on ready mounting plate, make for a perfect solution for ensuring locomotive remote communications.

Ordering Information

ACS-RS Part #	Description
30560	Antenna Filter, Radio 220 MHz N-Type Female Connectors
30561	Antenna Filter, Radio 160 MHz N-Type Female Connectors
30563	Antenna Filter, Radio 160 UHF, UHF Female Connectors
30563	Antenna Filter Mounting Plate 4 Filter Mount Steel
30564	Antenna Filter Assembly, 2ea, 220 MHz, 1ec. 160 MHz 1ea UHF, on mounting plate

Specifications

Spec	Unit	30561	30560	30562
Frequency Range	MHz	160 - 163	216 -222	450 -460
Radio Frequency	MHz	>216	<163	<220
Bandwidth	MHz	3	6	10
Interface Independence	Ohms	50	50	50
Insertion Loss	dB	<0.5	<0.5	<0.5
Isolation	dB	>75	>75	>75
VSWR	N/A	1.5:1	1.5:1	1.5:1
Interface	N/A	N-Female x2	UHF-Female x2	N-Female x2
Power Rating	Watts	100	100	50
Dimensions	Inches	7.25 x 2.25 x 1.13	7.25 x 2.25 x 1.13	5.25 x 2.0 x 1.13
Ingress Protection	N/A	IP67	IP67	IP67