

AV-1

LOUD & CLEAR®



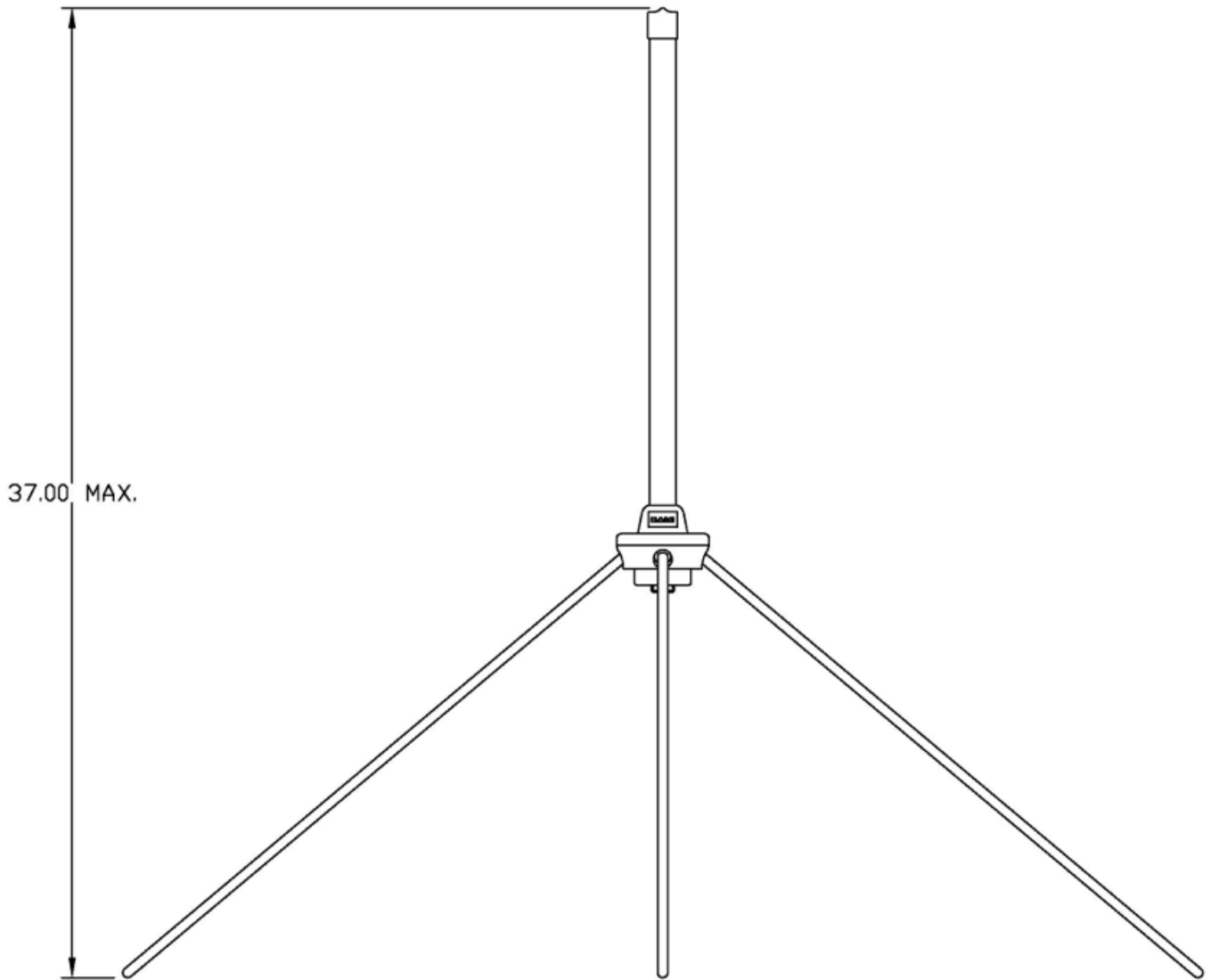
PRODUCT DESCRIPTION

Model Number	AV-1
Part Number	AV-1
Market	Aviation

The AV-1 is a base station antenna for communications with ground vehicles or aircraft. It has heavy-duty construction with 3/8" diameter aluminum radials and a 1" diameter aluminum tube radiator. These elements are treated with a "hexavalent free" passivation process per MIL-81706 and MIL-5541 for superior durability. It mounts easily to a 1" diameter pipe or a 1-1/4" O.D. tube with locking set screws. A built-in gap-type lightning arrestor is an important design feature. The antenna requires no additional tuning and is designed to withstand windspeeds of up to 100 mph.

PRODUCT SPECIFICATIONS

Application	VHF Communications
Frequency	118–137 MHz
Impedance	50 Ohms Nominal
VSWR	2.0:1 Maximum
Polarization	Vertical
Pattern	Omni-Directional
Connector	SO-239
Max Weight	2.75 lbs
Max Height	37"
RF Power Capacity	500 Watts



(not to scale)