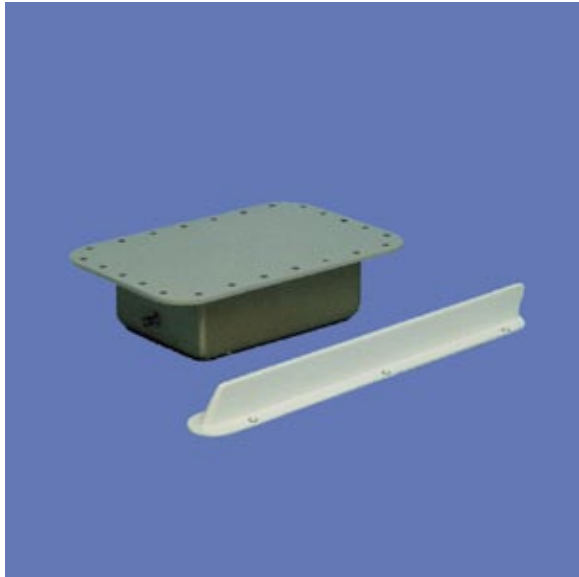


# Marker Beacon S35-1000; -2000-Series



## DESCRIPTION

**S35-1000-1:** Fabricated from one-piece aluminum casting providing erosion and gravel protection. DC grounded for lightning protection. Very low profile and low drag. Electrical characteristics similar to short horizontal dipole, providing VSWR and radiation patterns per MIL-A-5999A. Meets performance specs of AT-134 and AT-536. Simple external mounting. Ideal for business aviation aircraft. Boeing B737, Pilatus.

**S35-1000-2:** Same as S35-1000-1 except for 6 mounting holes, narrower baseplate and "N" type connector with O' ring. For L-1011, Challenger, Regional Jet, Global Express.

**NSN:** 5985-21-898-6154.

**S35-2000-1:** Highly reliable, flush-mounted, one-piece drawn aluminum can. Foam filled, epoxy glass radome. Hermetically sealed. DC grounded radiating element enables antenna to withstand lightning strike. Electrical characteristics similar to a short horizontal dipole, providing VSWR and radiation patterns per MIL-A-25367A. Ideal for ground clearance requirements and zero drag. Interchangeable with AT-536/ARN-type antennas. Boeing 747.

**NSN:** 5826-00-538-0741.

**FEDERAL & MILITARY SPECS:** FAA TSO C35c, DO-160, BAC D-16046, MIL-A-5999, MIL-A-9094, MIL-A-25367, MIL-B-5087, MIL-C-5541, MIL-E-5400.

## SPECIFICATIONS

### MARKER BEACON

	S35-1000-1 S35-1000-2	S35-2000-1
<b>ELECTRICAL</b>		
Frequency .....	75 MHz	75 MHz
VSWR .....	1.5:1 @ 75 MHz 5.0:1 @ 75 ± .15 MHz	1.5:1 @ 75 MHz 5.0:1 @ 75 ± .15 MHz
Pattern .....	Single downward lobe	Single downward lobe
Polarization .....	Linear (major axis)	Linear (major axis)
Impedance .....	50 ohms	50 ohms
Power .....	Receive only	Receive only
Lightning Protection .....	DC grounded	
<b>MECHANICAL</b>		
Weight .....	12 oz. (-1) 8 oz. (-2)	2.25 lbs.
Height .....	1.5 in. / 1.47 in. (-2)	Flush
Material .....	A356-T6 aluminum / 6061 aluminum / glass radome	
Finish .....	Skydrol resistant enamel	
Connector .....	C (-1); N (-2)	BNC
Drag .....	3 lbs. Mach .85 @ 35,000 ft.	Flush
<b>ENVIRONMENTAL</b>		
Temperature .....	-85°F to +165°F	
Vibration .....	10 G's	
Altitude .....	70,000 ft.	

## OUTLINE DRAWING

