

Overview / Specifications of the Hughes model AN6-098P .98 m Ku-band antenna

Overview

Each remote terminal at a customer site requires an antenna and radio assembly to communicate with the system satellite and the Network Operations Center (NOC). The antenna is connected to the remote terminal (also known as the indoor unit, or IDU) by a transmit cable and a receive cable.

The Hughes model AN6-098P .98 m Ku-band antenna is designed for both Ku-band and Ka-band applications.



Figure 1: Hughes model AN6-098P .98 m satellite antenna with radio

Antenna Kit Components

The main components of the .98 m antenna kit are the following:

- ⇒ Az/EI and reflector bracket assembly
- ⇒ Antenna reflector
- ⇒ Feed support tube and feed rods
- ⇒ Feed horn
- ⇒ Mounting parts for radio assembly

Related Components

The following are related components that are required for the installation however they are not part of this antenna kit:

- ⇒ Radio assembly (J-type or cradle-type)
- ⇒ Antenna mount

Two Antenna Kits for Two Radio Types

You can install the .98 m antenna with either of two radio types, the J-type radio or cradle-type radio.

To support these two radio types, the antenna kit is available in two configurations, as listed in Table 1.

Each antenna kit consists of two boxes of parts, as detailed in Figure 2. Most parts are common to both antenna kits. The main parts that are different in the two kits are the feed support tube, feed rods, and parts used to mount the radio assembly.



Antenna kit for J-type radio		
Box 1	Az/EI and reflector bracket assembly, feed horn, mounting brackets and adapter for radio assembly, waveguide transition, and other parts.	P/N 1501111-0001
Box 2	Reflector, feed support tube, feed rods, and other parts.	P/N 1501111-0002
Antenna kit for cradle-type radio		
Box 1	Az/EI and reflector bracket assembly, feed horn, adapter for radio assembly, and other parts.	P/N 1501111-0021
Box 2	Reflector, feed support tube, feed rods, and other parts.	P/N 1501111-0022

Table 1: Two antenna kit configurations