L3HARRIS™
FAST. FORWARD.

NI50 ANTENNA

CUTTING-EDGE TECHNOLOGY

Reduced maintenance costs are achieved through the use of this low-profile, all-metal blade as a result of its unequalled mechanical strength and built-in reliability. The NI50 is currently in use on business, commercial and military aircraft. They have clear advantages over other current designs including:

> Extremely high-side load strength guards against breakage by ground handling gear.

> Completely sealed construction prevents failure from moisture intrusion.

> Lightning protection circuits prevent damage to the antenna and safeguard electronic equipment.

NI50 Antennas, which replace the NI49 Antennas, are used with all standard L-band equipment because of their broad bandwidth of 960 to 1,220 megahertz. Models of the NI50 Antenna are directly interchangeable with virtually all L-band blade and flush mounting antennas currently in service on commercial and military aircraft.

ELECTRICAL		
Frequency range	960 – 1220 MHz	
VSWR	960 – 1220 less than 1.7:1 1000 – 1100 less than 1.5:1	
Gain	Average at horizon 0 dB	
Impedance	RF DC	50 ohms Short circuit
Polarization	Vertical	
Radiation patterns	Hemispherical	
Power handling	3 kW peak, 100 watts average	
MECHANICAL		
Connector	Contact factory	
Weight	4 oz.	
Finish	Contact factory	
ENVIRONMENTAL		
Aero drag	Sea level, mach 0.5 Sea level, mach 0.8	2 oz. 4.5 oz.
Side load	TSO C34c	
ARINC	(ATC transponder) (DME)	532 E 521 D
FAA	(ATC transponder) (DME)	TSO-C74 TSO-C66a

All data contained herein is subject to change without notice. Consult with factory for mounting specifications.

KEY FEATURES

> **Low-profile all-metal blade**

> **Direct current grounded design**

> **Interchangeable with most L-band blade and flush mount antennas**

> **Multiple color and connector configurations available**