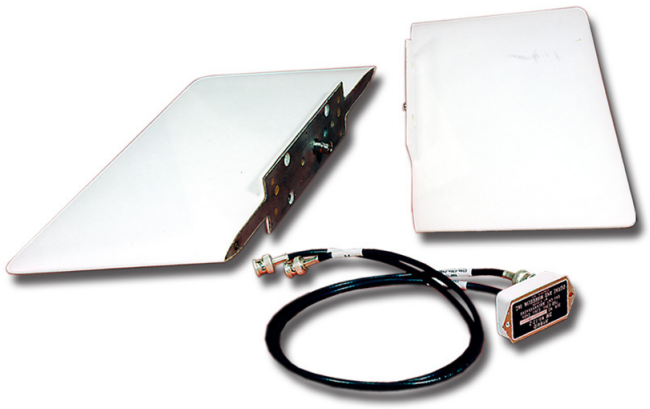
ITT EXELIS

DM N4-17 Series
VOR/LOC Glide Slope Antenna

The DM N4-17 VOR/LOC/Glide slope antenna is designed for general aviation, commercial, and military aircraft that operate up to Mach 1.0. The DM N4-17 is designed and qualified to provide a low-cost, lightweight, low-drag antenna for state-of-the-art avionics systems.

The antenna is not only T.S.O.'d, its performance parameters exceed the environmental specifications of MIL-E-5400 Class 3 equipment. Therefore, the DM N4-17 can be installed on single engine to jet engine aircraft.

The balanced loop design of the DM N4-17 assures an omnidirectional radiation pattern at thehorizon to obtain the maximum signal for standard VOR and area navigation, which in turn provides more receiving distance and reliable system performance.



The standard system is the DM N4-17/N, which consists of two antenna elements (DM N4-17-1/N),two feed cables and gaskets (DM U212-1 and DM U235-1 respectively), and a phasing coupler (DM N4-17-2). Dual output couplers (DM N4-17-4) are available as well.

SPECIFICATIONS

Electrical	
Frequency Range	
VOR/LOC	108 – 118 MHz
Glide slope	329 – 335.3 MHz
VSWR	5.0:1 max
Gain	0 ±2 dB
Impedance	50 Ohms
Polarization	Horizontal
Radiation Patterns	
VOR/LOC	Omnidirectional
Glide slope	Forward Pointing
Lightning Protection	dc short
Power Handling	Receive Only
Mechanical	
Connector	BNC Female
Cable Length	27 in.
Side Load	17 psi
Weight	1.32 lbs
Environmental	
Drag	See Graph
FAA	C34e, C36e, C40c
D0138 ENV. CAT.	AA5XXXXXHDXS

All data contained herein is subject to change without notice.
For additional information E-mail: antenna.info@exelisinc.com

1099-144 (M15)
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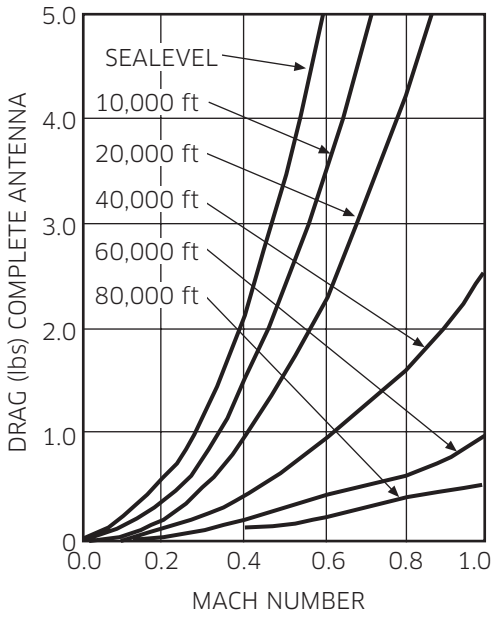
OUTLINE DIMENSIONS

Inches (Centimeters)

Consult with factory for mounting specifications.



CALCULATED DRAG vs SPEED

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