

## DM N27 MARKER BEACON ANTENNAS



The DM N27 Antennas are rugged, lightweight antennas for the reception of 75 MHz marker beacon signals.

These low-drag antennas are designed for simple external mounting and require no cutting of airframe structural members. The largest hole required in the skin is for the connector.

Moisture proofing is assured by the dielectric foam filled, white polyester-fiberglass radomes. These skydrol resistant housings are fitted with metal leading edges for erosion protection.

The DM N27 antennas are designed to meet the performance specifications of antennas AT-134 and AT-536.

### SPECIFICATIONS

ELECTRICAL	Frequency	74.75 – 75.25 MHz
	Center Frequency	75.0 MHz
	VSWR (at midband)	< 1.5:1
	(74.8 – 75.2 MHz)	< 5.0:1
	VSWR curve stable from -65° to +160°F	
	Gain (Relative to isotropic)	-9 dB
	Impedance	50 Ohms
	Polarization	Horizontal
MECHANICAL	Connector	
	DM N27-1	Female TNC
	DM N27-2	Female C
	DM N27-3	Female BNC
	Weight	10 oz
	Outline dimensions	See back page
	Type of Construction	Dielectric foam filled fiberglass housing with metal leading edge
	Military	Qualified to MIL-T-5422E
	FAA	TSO C35c
	D0108 ENV CAT.	ABAAAAX

Specifications subject to change without notice.

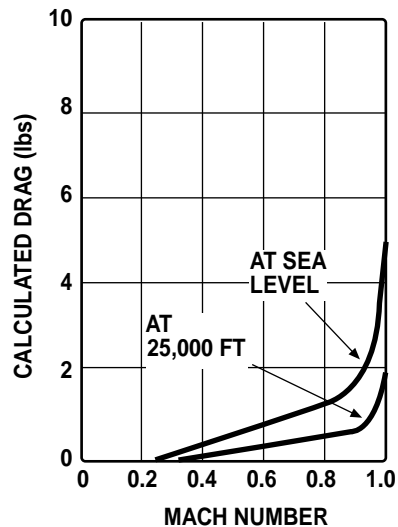
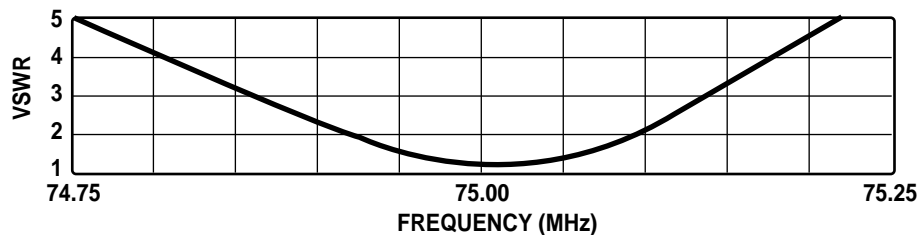
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# NAVIGATION

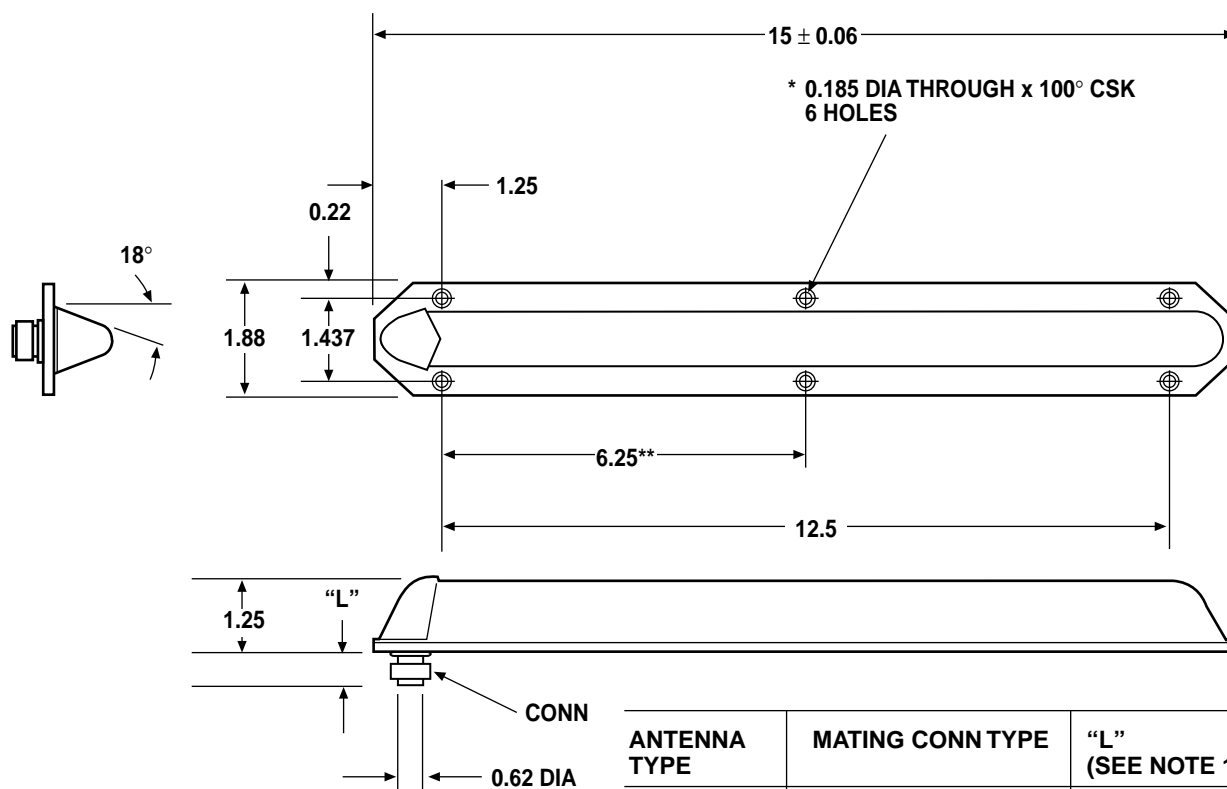
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### OUTLINE DIMENSIONS

Dimensions are in inches.



CALCULATED DRAG OF DM N27 ANTENNAS AT ZERO ANGLE OF ATTACK



ANTENNA TYPE	MATING CONN TYPE	"L" (SEE NOTE 1)
DM N27-1	TNC FEMALE	0.53
DM N27-1/A	TNC MALE	0.53
DM N27-2	C MALE	0.62
DM N27-3	BNC MALE	0.53
DM N27-3-1	BNC MALE	0.53
DM N27-6	BNC MALE	0.53
DM N27-7	BNC MALE	0.53
DM N27-9-1	C MALE	0.62
DM N27-12-1	N MALE	1

**Note:** "L" is the height of the connector protruding from base of antenna.

\* Stainless steel flat head screw recommended.