

10-3005-1 10-3005-2

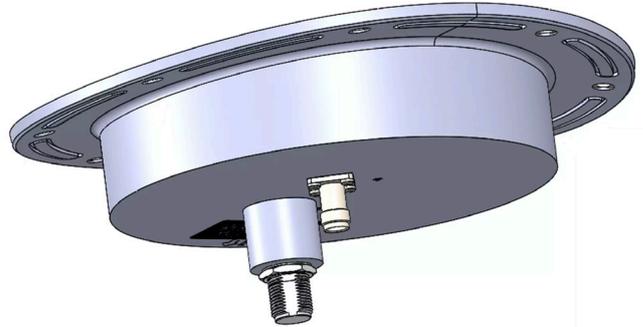
CHELTON

Dual Function Conformal Antenna

Key features:

- Fully Conformal
- Lightning Zone 1C/2A
- High Power Capacity
- Suitable for supersonic fighter jets

Type 10-3005-1 and Type 10-3005-2 are passive conformal antennas for fast jets. The antennas offer both IFF and S-band functions that operate from two separate interface ports. They offer omni azimuthal radiation patterns, typical of quarter-wave monopole over a ground plane.



ELECTRICAL

Impedance	50 Ω
VSWR	1.5:1
Polarisation	Linear, Vertical
Gain	IFF: > 3 dBi S-band: > 4 dBi

MECHANICAL

Weight	0.9 kg (typ) dependant on the local curvature
Connector	L-band: TNC female connector S-band: N-type female connector
Dimensions	(220-240) x 90
Dia x H	Diameter is dependant on the local curvature

ENVIRONMENTAL

Continuous Operating Temperature	- 62°C Min + 89, 115 (int)°C Max
Standards	Mil Std 810G w/change 1

