



5-18 GHz ACTIVE RADAR REFLECTOR

GENERAL DESCRIPTION

TUALARIA is a compact Active Radar Reflector designed for military training missions involving radar guided missiles. The device operates in C, X and Ku Band. Two-antenna system amplifies incoming signal and retransmits it according to the programmed Radar Crosssection Level.

Device can be ordered with RHCP or LHCP spiral antennas so system supports all type of polarizations. Involving programmable attenuator, gain of the system can easily be programmed through RS-232 interface. Setting is kept in the memory so user can adjust gain before the flight as well as on the fly.

KEY SPECIFICATIONS

- High Efficiency
- Light Weight
- Compact Size
- Programmable Gain

BENEFITS

- Low SWaP for drone based decoys (MALD)
- SEAD (Supression of Enemy Air Defence) Drones
- Radar Test & Validation Studies
- Radar Guided Missile Test & Validation
- RF Seeker Test & Validation
- RF Proximity Fuse Test & Validation
- Surface-to-Air Missile Test/Training Drone
- Air-to-Air Missile Test/Training Drone
- Anti-Ship Missile Test/Training Drone
- For radar guided missiles;
- Emulates air targets with specified RCS
- Emulates surface targets with specified RCS

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Dimensions (cm)

9.5 x 6.2 x 1.6



Weight (g)

192



Power Consumption

< 4 W



Max. Gain

60 dB



RF Attenuation Range

0-31 dB



Input Voltage

16-32 VDC



Programming Interface

RS 232



Operating Temperature

-40 °C To +80 °C



RF Connector

SMA



Power & I/O Connector

9-pin Micro-D Socket



Environmental Condition

MIL-STD-810G



EMI/EMC

MIL-STD-461F

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