

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.



Active Radar Reflector

TECHNICAL SPECIFICATIONS

Frequency Range	5-18 GHz
Max. RF Output Power	29 dBm
Max. Gain	> 60 dB
RF Attenuation Range	0-30 dB
Operating Power	18-32 Vdc
Power Consumption	< 12 W
Programming Interface	RS 232
Operating Temperature	-40 °C / +80 °C
Dimensions (cm)	9.5 x 9.2 x 1.6
Weight	176 g
Environmental Cond.	MIL-STD-810G
EMI/EMC	MIL-STD-461E

KEY SPECIFICATIONS

High Efficiency
Light Weight
Compact Size
Programmable Gain

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.

