

# AIBU

## ASELSAN INTERFERENCE BLANKING UNIT

PROGRAMMABLE TO SIMPLIFY  
SYSTEM DESIGN

NOVEL BLANKING  
SYSTEM

FIXED, ROTARY WING PLATFORM  
QUALIFIED





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## ASELSAN INTERFERENCE BLANKING UNIT

Aselsan Interference Blanking Unit (AIBU) is used on military platforms to prevent interference between the numerous onboard RF systems. AIBU can be tailored to meet any application and is programmable to simplify system design.

AIBU provides a novel blanking system that can be quickly modified and adapted to varying flight configurations. For military aircrafts, such flexibility in adapting the blanking system into the aircraft is a very desirable feature.

With its reliable and rugged design, the AIBU operates in severe environmental conditions on fixed-wing and rotary-wing platforms with advanced cooling and thermal management techniques.

### General Specifications

- Programmable Blanking Inputs/Outputs
- Blanking Pulse Modification
- Repeater
- Delay
- Extension
- Blank Matrix Selection (up to 8 )
- Look Through Blanking Outputs Generation
- Built-in Test

### Technical Specifications

- Blank Pulse Treatment
- Built-in Tests
- IBIT
- CBIT
- PBIT
- 28 VDC powered
- Power hold-up for short power interrupts

### Interfaces

- 24 Blank Inputs
  - 20 Low Voltage Blank Inputs
  - 4 High Voltage Blank Inputs
- 24 Blank Outputs
- 16 Low Voltage Blank Outputs
- 8 High Voltage Blank Outputs
- RS-485 interfaces
- Discrete I/O interfaces

### Qualifications

- MIL-STD-810 / DO-160E
- MIL-STD-704
- MIL-STD-461

### Environmental Conditions

- Operating Temperature and Altitude:
  - 55°C / +95°C, 15.000 ft.
- Storage Temperature:
  - 55°C / +95°C

### Physical Specifications

- Dimensions : 91 mm(H) x 243 mm(W) x 133 mm(D)
- Weight : <3 kg

