MURAD 100

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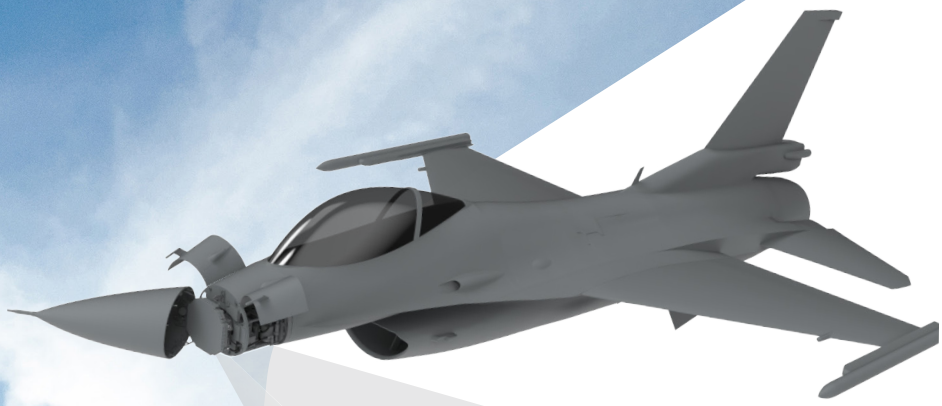
AESA NOSE RADAR

#Radar





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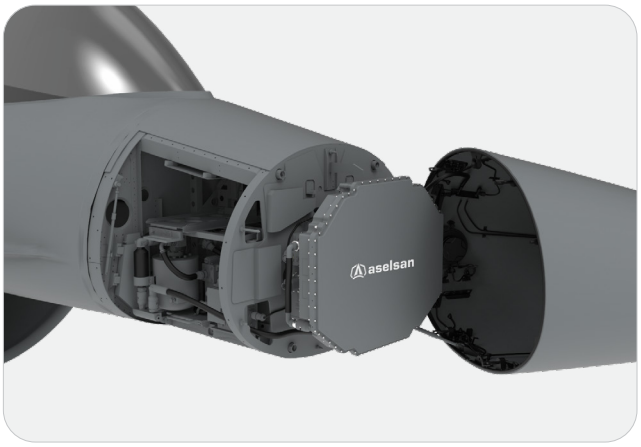
So is the threat, today's radar technology has to be more agile and rapidly change faster than ever in order to overcome today's sophisticated threat environment. Within the context of such an unprecedent combat area, ASELSAN, with a longlasting heritage and wealth of unique design infrastructure on Radar Family, proposes AESA based radars fitting for Airborne platforms to have greater detection, multiple tracking and higher identification capabilities against other airborne, sea and ground based threats in the hostile environment

MURAD 100 is designed to meet all operational needs of both a surveillance and a fire control radar providing situational awareness, identification, prioritization and engagement of threats, missile guidance. Both air-to-air and air-to-ground functions can be operated simultaneously thanks to its agile beam steering capability. It minimizes the effect of transceive/recive module failure by using many solid state T/R modules within the array ensuring high operational availability in the battlefield.

Considering the active involvement of UAVs in the recent battlefield engagements, ASELSAN's airborne AESA radar systems both for newest and legacy platforms indispensably ensure operational superiority.



General Specifications

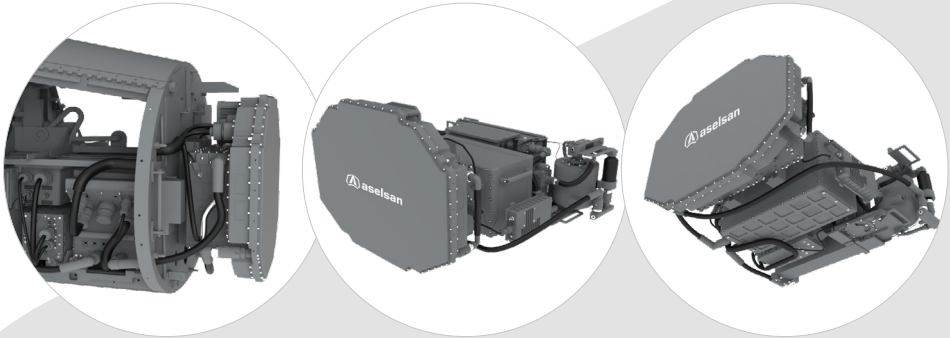
- Wide Frequency Band
- High Aspect Angle
- Power Amplification Using GaN Technology
- Graceful Degradation
- Digital Beam Forming at Sub-Array Level
- Time Interleaved Operation

Air-to-Air Modes

- Beyond Visual Range Missile Guidance
- All-Aspect Search
- Multiple Target Track
- Multiple Agile Target Track
- Cued Search
- Weather Mode

Air-to-Ground Modes

- Ground Moving Target Indication
- Ground Moving Target Track
- Ground Moving Single Target Track
- Ground Mapping
- Fixed Target Track
- Air to Ground Ranging



Specifications are subject to change without any notice. | All tolerances are within ±10%.

REHİS - MURAD 100 - 09.2026

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