Active Radar Reflector

ARES818

ARESIA
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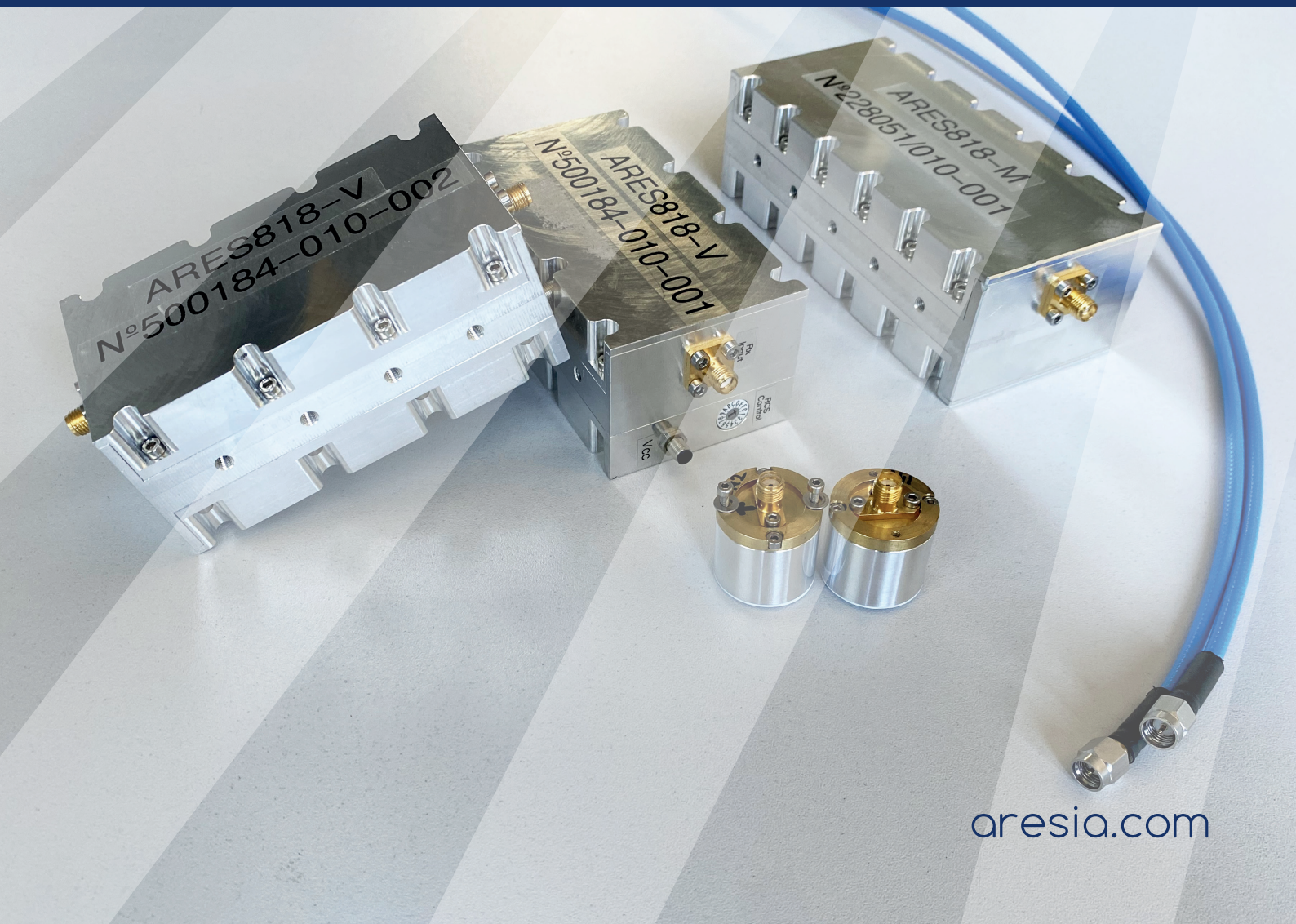
/ Programmable RCS

/ Doppler effect

/ Dual-band technology

/ Compact & Lightweight



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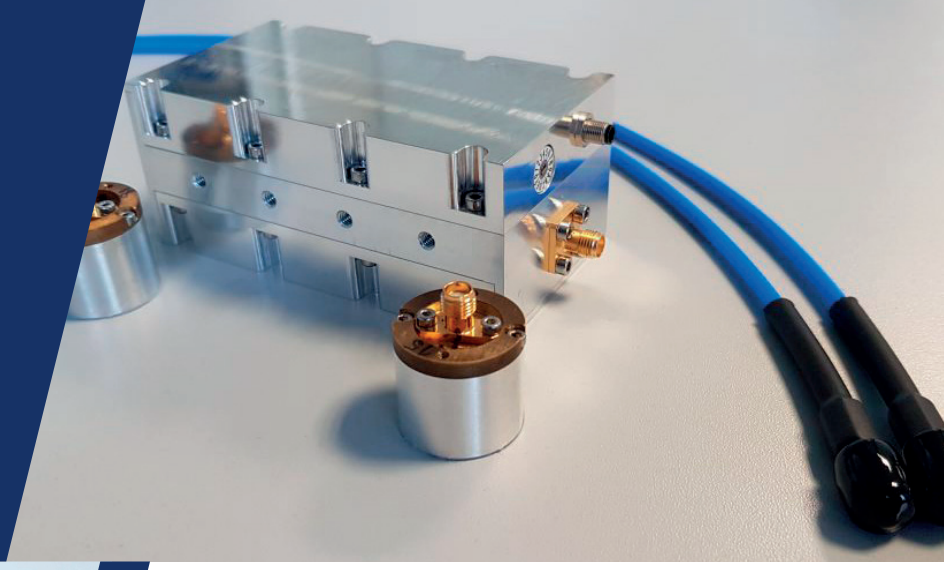
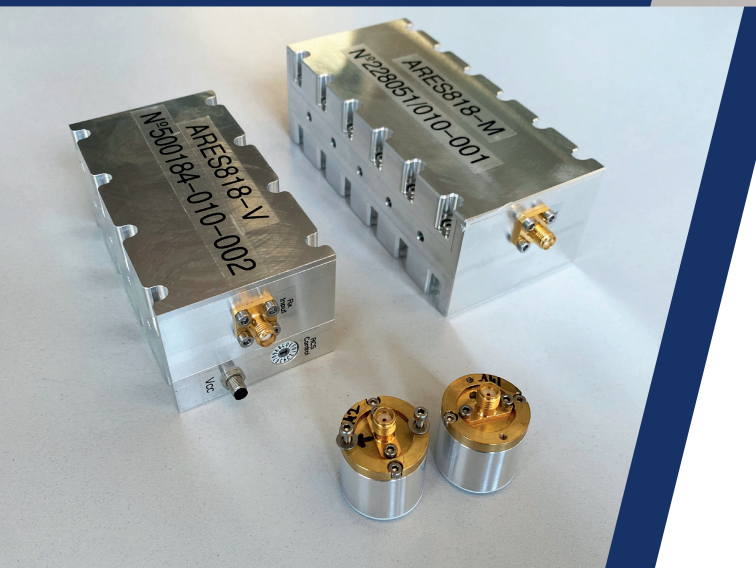
ARES818
Active Radar Reflector





Configurable product range
Easy integration on all types of carriers
RCS generation
Doppler

RANGE FEATURES

- Polarization : rectilinear or circular
- Viewing Angle : 40° in azimuth & elevation
- RCS Level : 0 to 100 m²
- RCS Modulation : 1 to 1000 Hz
- Doppler Speed : 0.5 to 593 km/h

	ARES818-V	ARES818-M
RCS Augmentation	●	●
Programmable before start-up*	●	●
RCS level setting**	●	●
Remotely controled		●
Doppler option		●
Easy to use GUI		●

* -V : encoder wheel -M: software
** -V : 16 levels -M: multiples levels

DESCRIPTION

The ARES range is declined in two versions:
· ARES818-V: configurable before start-up, cost effective solution
· ARES818-M: remotely controled with Doppler option

The active radar reflector consists of two antennas and a microwave module.

It operates on the X and Ku frequency bands (8-18 GHz), whether the radar polarization is circular or rectilinear.

APPLICATIONS

- Radar calibration and commissioning
- Radar operator training (tracking & spotting)
- Radar surveillance networks critical design review and factory or site acceptance testing purposes

Thanks to its compact and lightweight design, ARES can be easily integrated on a large range of UAV, USV, UGV for tracking & spotting.

sales@aresia.com - T +33 1 47 94 66 20 - 13 Av. Marcellin Berthelot - 92390 Villeneuve-la-Garenne - FRANCE
aresia.com

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