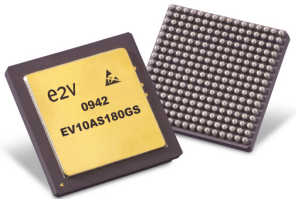
The first space grade L-band ADC to be awarded the DLA's QML Class V

+ A proven space grade ADC with over 900 flight models delivered worldwide

The EV10AS180A

This 10-bit, 1.5 GSps ADC was designed and developed specifically for space applications, with funding from the European Space Agency, and has been certified to QML Class V by the Defense Logistics Agency.



The single core architecture ensure high performance in environments with varying temperatures, making it proficient in low-orbit missions. The rad-tolerant design exhibits no sensitivity up to 110 Krad TID, the radiation report can be found at teledyne-e2v.com/AS180.

Performance in L-band

Input frequency	Input power	ENOB	SNR	SFDR
1.8 GHz	-12 dBFS	8.4-bit	54 dBFS	-61 dBfs

The EV10AS180A is suited to SWaP-C conscious space systems planning to operate in L-band (1 GHz to 2 GHz), offering NPR of 43 dB at -13 dBfs optimum loading factor. The ability to perform directly at L-band allows for the removal of frequency converters, offering a reduction in system architecture requirements and orbit costs.

Suitable applications

+ **Telecommunication satellite payloads**
+ **Satellite data links**
+ **Earth observation SAR payloads**
+ **Direct L-band RF down conversion**

Learn more

Visit the resource hub for the EV10AS180A to download the datasheet, view the radiation report or request a sample.

teledyne-e2v.com/AS180