

ERZIA



SPACE HERITAGE



Our mission is to contribute to your mission's success.

ERZIA has an impressive history of supplying critical components in space industry equipment that are directly related to mission success. We have earned an enviable reputation in the space/areospace industry for designing and manufacturing high performance "space-qualified" RF and microwave devices that deliver as promised.

Today, ERZIA is fueling innovation and growth in the **NewSpace** industry with a smart selection of RF and microwave Commercial Off-The-Shelf (COTS) amplifiers. We have several available COTS amplifiers to help achieve a more rapid design, build, test, and launch for your next space mission.

PROGRAM: Chang'e 3 (CNSA)
DESTINATION: Moon Surface



RF Amplifier, 2 W, VHF

HARDWARE:
RF Amplifier for the AOTF Driver
4 x Flight Models
2 x EM
✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: December 2013

PROGRAM: LISA Pathfinder



RF Amplifier, 0.5 W, HF

HARDWARE:
RF Amplifier for the AO Modulator
2 x Flight Models
1 x Flight Spare
✦ Full Space

DELIVERY: Delivered
LAUNCH: December 2015

PROGRAM: Exomars



RF Amplifier, 1 W, VHF

HARDWARE:
RF Amplifier & RF Passive Boards for the NOMAD Instrument.
2 x Flight Models of Each
2 x EQM of Each
✦ Full Space

DELIVERY: Delivered
LAUNCH: March 2016

PROGRAM: Chang'e 4 (CNSA)
DESTINATION: Dark side of Moon Surface



RF Amplifier, 2 W, VHF

HARDWARE:
RF Amplifier for the AOTF Driver
4 x Flight Models
2 x EM
✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: December 2018

PROGRAM: Tianwen-1, Chinese Mars Exploration Program (CNSA)



RF Amplifier, 1 W, VHF

HARDWARE:
RF Amplifier for the AOTF Driver
4 x Flight Models
2 x EM
✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: 2020

PROGRAM: Chinese Moon Exploration Program



RF Amplifier, 2 W, VHF

HARDWARE:
RF Amplifier
2 x Flight Models
2 x EM
✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: 2020

PROGRAM: Chinese Earth Observation Program



RF Amplifier, 2 W, VHF

HARDWARE:

RF Amplifier
12 x Flight Models
12 x EM

✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: November 2020

PROGRAM: ALTIUS



RF Amplifier, 1 W, VHF

HARDWARE:

RF Amplifier for the AOTF Driver
4 x Flight Models
2 x EM

✦ Full Space

DELIVERY: Delivered
LAUNCH: TBC

PROGRAM: CNSA



RF Amplifier, 2 W, VHF

HARDWARE:

RF Amplifier
2x Flight Models
2x EM

✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: TBC

PROGRAM: CNSA



RF Amplifier, 2 W, VHF

HARDWARE:

RF Amplifier
7x Flight Models
8x EM

✦ Tailored Full Space

DELIVERY: Delivered
LAUNCH: TBC

PROGRAM: Undisclosed



X-Band RF Amplifier, 10 W, X-Band

HARDWARE:

X-Band RF Amplifier for Satellite to Earth Link.
14 x FM
2 x EM

✦ Full Space

DELIVERY: EM Delivered, FM TBC
LAUNCH: TBC

PROGRAM: CubeRR, NASA



LNA, 1 to 40 GHz

HARDWARE:

RF Low Noise Amplifier
3 x Flight Models

✦ NewSpace, COTS Without DC

DELIVERY: Delivered
LAUNCH: May 2018

PROGRAM: Mohammed Bin Rashid Space Centre (MBRSC)



LNA, 2.7 to 3.1 GHz

HARDWARE:

RF Low Noise Amplifier
2 x Engineering Models

✦ NewSpace, COTS Without DC

DELIVERY: Delivered

CUSTOMER: Undisclosed



HPA, 6-18 GHz, 10 W

HARDWARE:

2 x ERZ-HPA-0600-1800-40-E

✦ NewSpace, COTS with 24-32 V DC

DELIVERY: November 2020

CUSTOMER: Undisclosed



HPA, 2-20 GHz, 5 W

HARDWARE:

2 x ERZ-HPA-0200-2000-37

NewSpace, COTS with 24-32 V DC

DELIVERY: November 2020

CUSTOMER: Undisclosed



HPA, 17 to 24 GHz, 2.5 W

HARDWARE:

2 x ERZ-HPA-1700-2400-34

NewSpace, COTS with 24-32 V DC

DELIVERY: October 2020

CUSTOMER: Undisclosed



HPA, 9 to 14 GHz, 2.5 W

HARDWARE:

2 x ERZ-HPA-0900-1400-34

NewSpace, COTS with 24-32 V DC

DELIVERY: November 2020

CUSTOMER: Undisclosed



LNA, 26 to 40 GHz

HARDWARE:

2 x ERZ-LNA-2600-4000-30-2.5

NewSpace, COTS with 24-32 V DC

DELIVERY: February 2021

CUSTOMER: Undisclosed



LNA, 26 to 40 GHz

HARDWARE:

2 x ERZ-LNA-2600-4000-50-2.5

NewSpace, COTS with 24-32 V DC

DELIVERY: April 2021

CUSTOMER: Undisclosed



LNA, 12.5 to 17 GHz

HARDWARE:

2 x ERZ-LNA-1250-1700-3-3

NewSpace, COTS with 24-32 V DC

DELIVERY: May 2021

CUSTOMER: Undisclosed



LNA, 7.14 to 7.23 GHz

HARDWARE:

5 x EM

8 x FM

NewSpace, New Design

DELIVERY: September 2022

CUSTOMER: Undisclosed



Tx/Rx Front End, X-Band

HARDWARE:

Undisclosed

NewSpace, New Design

DELIVERY: 2023

CUSTOMER: Undisclosed



Up/Down Converter

HARDWARE:

Undisclosed

Full Space, New Design

DELIVERY: 2024

ERZIA
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