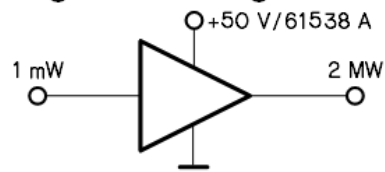


# Twelfth Continuous Wave and High Average Power RF Workshop



12.-14.9.2022

CERN

Geneva, Switzerland

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Contribution ID: 25

Type: **Oral presentation 20' + 5'**

## The ESS MEBT 30 kW solid state amplifiers

*Wednesday 14 September 2022 14:25 (25 minutes)*

A solid state amplifier family has been developed to provide 30kW pulsed at 352 MHz for each of the three buncher cavities of the ESS proton linac. The presentation will give an overview of the amplifiers, with a focus on the installation and tests carried out. The amplifiers are now in operation having been used initially for cavity conditioning and recently for early operation with beam. This presentation reviews the experience gained, improvements and problems solved.

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**Track Classification:** Solid state amplifiers