

A WIDE BAND HYBRID HIGH POWER MW LEVEL CW RADIO FREQUENCY (RF) COMBINER/SPLITTER



The primary objective of this wideband, high power (3 MW) radio frequency (RF) combiner is to combine RF power of two different RF circuits. This can also be used to equally split the high RF power. The combiner, which is a passive device, has been designed to have lesser power dissipation per unit area and also has been provided with efficient thermal management.

SALIENT FEATURES

- Compact and Cost effective.
- Coupling flatness better than 0.6 dB over frequency band ~ 35 to 65MHz.
- Isolation and return loss better than ~ 24 dB between 36 to 65 MHz
- Power dissipation less than 10%

APPLICATIONS

RF systems for following areas:

- Tokamak/ Fusion reactor related firm/companies/industries.
- Defence, Communications and Space sector
- Institutes and Universities where Radio Frequency subject is taught/ practiced.