



FCT series

Field Coupled Transformers Txx - Txxx

Ferrite based RF power and impedance matching Field Coupled Transformers (FCT) for input, output and inter-stage matching. Capable of handling 5W to 2000W CW, from 0.1MHz to 60MHz. Bulk or individual ordering availability.

These transformers use high-quality core materials and PTFE windings (for the wound versions) to handle significant power levels while maintaining DC isolation between the primary and secondary windings. Their design ensures low insertion loss and reliable performance across a broad frequency range, making them ideal for RF amplifiers used in communication systems and other demanding applications.

ROWAVES RF transformers are designed for demanding high-power RF applications, offering excellent broadband performance and low insertion loss. Built with high-quality magnetic materials and PTFE-insulated windings, they provide reliable impedance transformation and DC isolation across HF, VHF, and UHF frequency ranges. Their robust construction and high thermal stability make them ideal for RF amplifiers, laboratory equipment, communication systems, and custom RF projects.

Design	field coupled
Operating frequency domain	0.1 to 60MHz
Possible impedance ratios	variation: 1:1/1:4/1:9/1:16/1:25
PEP power levels	5W to 2000W
Applications	push-pull splitter / combiners
Winding	1T installed (brass pipe)


- ✓ CAD files available for download
- ✓ complete mechanical specifications
- ✓ material #mix: 43 / 61 / 67 / 77
- ✓ power handling: 5to 2000W PEP

 **CONTACT US**

for more details (service price, availability, test reporting, demo video etc.)

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More details:

