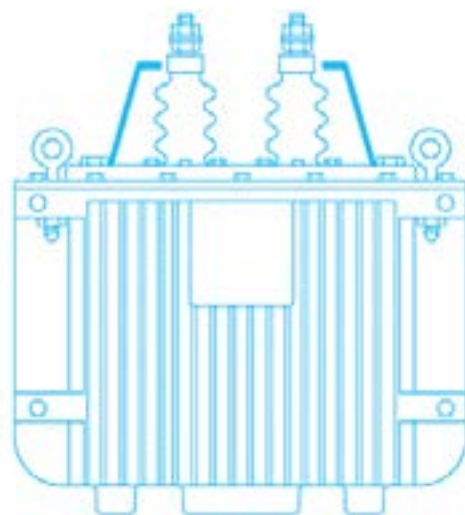


HF100 300/600 High Power Balanced/Balance Matching Transformer

The HF100 300/600 High Power Balanced/Balance Matching, is a cutting-edge solution engineered to provide seamless frequency matching with high power handling capabilities.

It supports 1.5 - 32 MHz with a 300-ohm balanced input and 200-ohm or 600-ohm balanced output, ensuring seamless integration. It handles 10 kW average power with +100% AM modulation, while its low insertion loss (<0.2 dB) and VSWR (<1.2:1 from 2 - 30 MHz) provide efficient signal transmission.

Built for durability, it features Alumina ceramic M12 terminals, a rugged cast aluminium case, and a hermetically sealed design. Operating in -40°C to +55°C, it uses natural convection cooling with silicone transformer oil for reliability. With a balance >26 dB and load VSWR of 2.5:1 max, it ensures stable performance in demanding conditions.



Spec	Information
Frequency	1.5 - 32 MHz
Power	10 kW average +100% AM modulation
Insertion loss	Less than 0.2 dB
VSWR	Less than 1.2:1 (2 - 30 MHz), Less than 1.3:1 (1.5 - 32 MHz)
Balance ratio	Greater than 26 dB
Max Load VSWR	2.5:1
Cooling	Natural convection, silicone transformer oil, pressure relief valve fitted.
Balance terminals	PTFE
Temperature range	-40°C to +55°C
Weight	60kg gross
Configuration	Cast aluminium case (LM25). Hermetically sealed. Epoxy paint finish.
Shipping dimensions	700 x 600 x 500 mm approx.
Input Impedance	300 ohms balance
Output Impedance	200 ohm or 600 ohm balance

