

242-ND50 and 242-NDF50

Type N feedthrough,, double sided

UHV Version, weldable

	Specifications
Voltage	3KV DC
Current	3A DC
Impedance	50 Ohm
Frequency range	0-6.5GHz
Vacuum	UHV, leak rate <math>< 5 \times 10^{-10}</math> mbar l/s
Temperature range	-200 ... 300°C
Type 242-ND50	Grounded shield
Type 242-NDF50	Floating shield



242-NDF50,
floating shield version

As usual, voltage rating is valid at high vacuum (10^{-3} mbar) and below.

The graphs show typical data vor VSWR, insertion loss and return loss.

The measured frequency range goes up to 20GHz, so well above the specified range up to 6.5GHz.

The nom. working voltage for N-Connectors is 500V RMS with up to 1000W @ 1GHz

Suitable connectors

for air side

241-CON-N-RG58 for RG58 cable
241-CON-N-RG213 for RG213 cable
241-CON-N-RG393 for RG393 cable

for vacuum side

245-CON-N for 301-KAP50 cable
or 312-PTFE50-D cable

