

# VDC 50/600 Ohm Low Power Wide Band Measuring Transformer

The Minns Baluns VDC Series is the ultimate solution for precision measurement applications requiring impeccable 50/600 Ohm transformation with low VSWR and high balance ratio.

Designed for wide band operation, there are multiple models to suit various measurement needs. With frequency ranges covering 20 Hz - 20 KHz, 100 Hz - 200 KHz, 50 KHz - 10 MHz, and 1.5 MHz - 32 MHz, these baluns provide precise and reliable performance across a broad spectrum. Whether you're working with low or high frequencies, the VDC Series ensure accurate signal handling for a wide range of applications.

Built for precision and durability, each balun features a power rating of 1 Watt Average and 2 Watts PEP, ensuring stable and accurate power measurements. The low VSWR and high balance ratio further enhance measurement accuracy, minimising signal distortion and maximising efficiency. These features make the VDC Series a trusted choice for professionals who require dependable and consistent results in their measurement setups.

To withstand even the most demanding conditions, the measuring transformers are fully encapsulated within a rugged cast aluminium. This robust design provides exceptional stability and environmental resistance, making the VDC Series ideal for long-term use in harsh environments.



Spec	Information
Unbalanced impedance	50 Ohms
Balanced impedance	600 Ohms
Power rating	+10dBm
Insertion loss	Less than 0.2 dB
Balanced connection	M6 insulators
Temperature range	-20°C to +55°C

Balanced Impedance (ohm)						
Standard frequency range	Balanced terminals	Balance ratio	VSWR	BNC	N	UHF
20Hz - 20kHz	Ceramic M6	>12dB	1.1:1	VDC08A	VDC08B	VDC08C
100Hz - 200kHz	Ceramic M6	>50dB	1.1:1	VDC05A	VDC05F	VDC05G
50kHz - 10MHz	Ceramic M6	>40dB	1.1:1	VDC06A	VDC06F	VDC06G
1.5MHz - 32MHz	Ceramic M6	>26dB	1.1:1	VDC02B	VDC02A	VDC02C

