

PA 5640

Matching the capabilities of the FG 5620, up to ± 15 V and 5 A can be delivered by the power amplifier module, which means that for many applications – namely for small 12 V component and subassembly testing – the use of an external battery simulator is unnecessary. The frequency range and bipolarity ensure that the module will find a wide range of applications. The EUT current can be measured and a program-controlled current limit can be specified. The PA 5640 also serves as a power driver for the electromagnetic coils used in magnetic field tests and as an amplifier for conducted sine wave tests. Separate current measurements for the two types of tests ensure correct control of the test conditions.

Magnetic field tests. The NSG 5600 configuration is expanded by the addition of magnetic field antennae for the execution of magnetic field tests. Either simple current loops or Helmholtz coils are used depending on the relevant test standard. The PA 5640 is equipped with a control input for the connection of a magnetic field measuring sensor for the precise regulation of the generated field.

Technical specifications PA 5640

Operating modes:	Continuous voltage / Continuous current
Output voltage:	-15 to +15 V
Resolution:	0.1 V
Accuracy:	$\pm 5\%$ (typical 1%)
Current:	-5 to +5 A
Current limit range:	0.1–5 A
Resolution:	0.1 A
Accuracy:	± 0.1 A
Frequency range:	DC –320 kHz
Short circuit protection:	Yes



- 320 kHz bandwidth
- Low output impedance
- Supports power magnetics applications
- Ideal for low power 12 V DUT