



H5-IC set

EFT/Burst Magnetic Field Source

BS 06DU-s

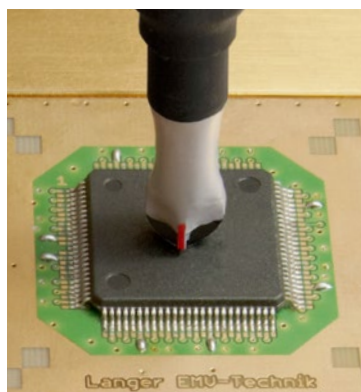
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LANGER
EMV-Technik

sales@langer-emv.de

www.langer-emv.com

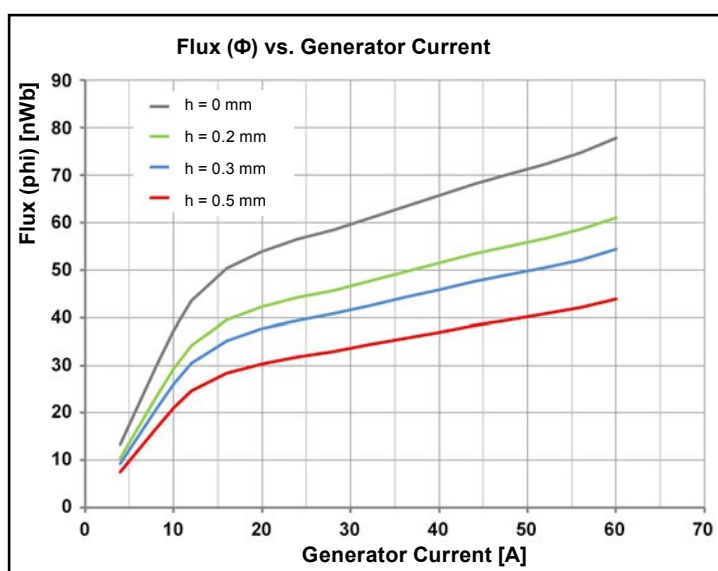
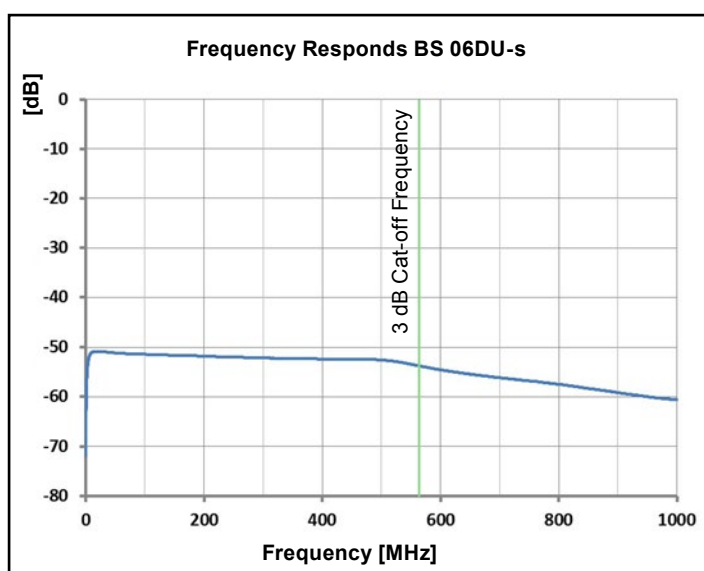
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Short description

The BS 06DU-s magnetic field source is used to generate magnetic EFT/burst fields. An EFT/burst generator (IEC 61000-4-4) supplies the field source with an EFT/burst current via an RF cable. The BS 06DU-s generates high magnetic fields (approx. 150 mT) in very small spaces and enables a precise application through small-scale field propagation. It is thus ideal for coupling the field into ICs. With the field source, EMC weak points can be tracked down and disrupted in IC's firmware processes.

The BS 06DU-s can be used for IC tests in combination with a scanner or can be guided by hand.



Technical Parameters BS 06DU-s	
Frequency Range	0 ... 560 MHz
Maximum Supply Voltage (IEC 61000-4-4)	4 kV
Maximale Supply Current peak value I_p	80 A
Waveform of the injected test pulse	IEC 61000-4-4
Low-Frequency cut-off f_{UG} [kHz]	0
High-Frequency cut-off f_{OG} [MHz]	560 MHz
Maximum magnetic Flux density B_{max} at $I_p = 80$ A	150 mT
Maximum magnetic Flux Φ_{max} bei $I_{Pmax} = 80$ A	1800 nVs
E-Field Suppresion Voltage U_F / Generator Voltage U_{VG} coupled from the tip of probe head to the Test IC	26 dB 50 V / 1000 V
Dimensions (L x W x H); Weight	(140 x 8 x 8) mm; 15 g

