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	<ul> <li>Bandwidth DC 2 MHz</li> <li>Transimpedance (Gain) 1 x 10<sup>6</sup> V/A</li> <li>Protection against ± 3.5 kV Transients</li> <li>Photodiode and Photomultiplier Amplifier</li> <li>Spectroscopy</li> <li>Charge Amplifier</li> <li>Ionisation Detectors</li> <li>Preamplifier for Lock-Ins, A/D Converters, etc.</li> </ul>	
Applications		
Specifications	Test Conditions	$Vs = \pm 15 V$ , $Ta = 25^{\circ}C$
Gain	Transimpedance Gain Accuracy	1 x 10 <sup>6</sup> V/A (@ 50 $\Omega$ load) ± 1 %
Frequency Response	Lower Cut-Off Frequency Upper Cut-Off Frequency (- 3 dB) Rise / Fall Time (10 % - 90 %) Gain Flatness	DC 2 MHz 180 ns ± 0.3 dB
Input	Equ. Input Noise Current Equ. Input Noise Voltage Input Bias Current Input Bias Current Drift Offset Current Compensation Input Current Range Input Offset Voltage DC Input Impedance	340 fA/ $\sqrt{\text{Hz}}$ (@ 100 kHz) 6 nV/ $\sqrt{\text{Hz}}$ (@ 100 kHz) 5 pA typ. Factor 1.7 / 10 K $\pm$ 2.7 $\mu$ A adjustable by offset trimpot $\pm$ 1.5 $\mu$ A (for linear amplification) 2 mV 50 $\Omega$ (virtual) // 5 pF
Output	Output Voltage Range Output Impedance	$\pm$ 1.5 V (@ 50 Ω load) for linear operation and low harmonic distortion 50 Ω (terminate with 50 Ω load for best performance)
Bias Output	Bias Output Voltage Range Bias Output Impedance	$\pm$ 12 V, adjustable by bias trimpot 10 k $\Omega$ // 1 $\mu F$

SOPHISTICATED TOOLS FOR SIGNAL RECOVERY

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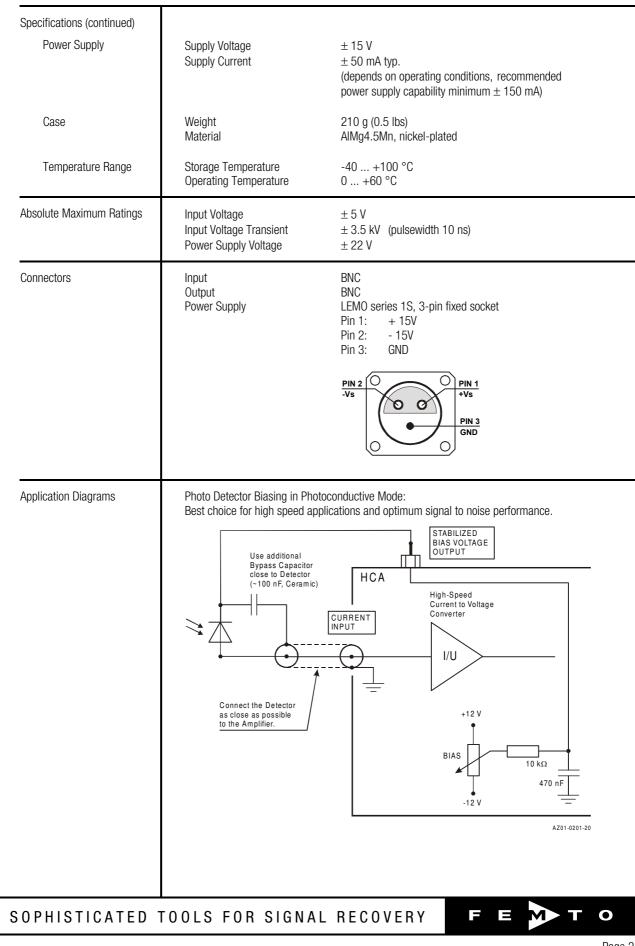
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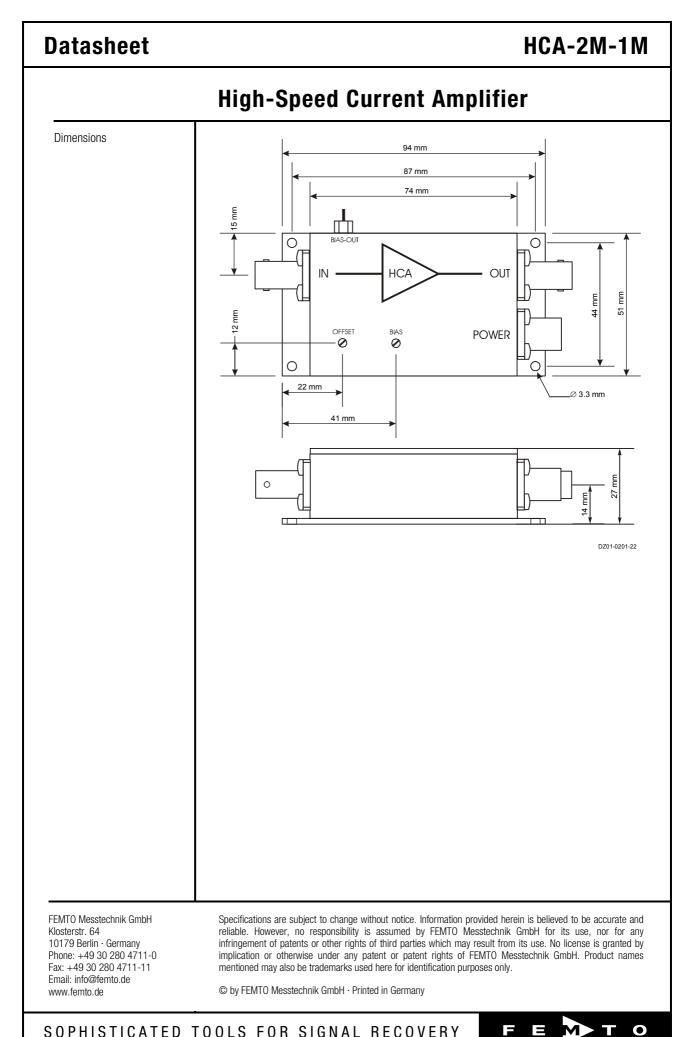
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## **Datasheet**

## **High-Speed Current Amplifier**





## SOPHISTICATED TOOLS FOR SIGNAL RECOVERY

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