

# PEARSON™ CURRENT MONITOR MODEL 6585

Sensitivity	1 V/A $\pm$ 1% 0.5 V/A into 50 $\Omega$
Output resistance	50 $\Omega$
Maximum peak current	500 A
Maximum rms current 10 A	
Droop rate	0.3 %/ $\mu$ s
Useable rise time	1.5 ns
Maximum I•t	0.002 A s with bias
Low frequency 3 dB cut-off	400 Hz
High frequency $\pm$ 3 dB	250 MHz (approximate)
Maximum I <sup>2</sup> t / pulse	5 A <sup>2</sup> s
Output connector	BNC (UG-290A/U)
Operating temperature	0 to 65 °C
Weight	0.68 kg

\* Maximum current-time product can be obtained by using core-reset bias as described in the *Application Notes*. 0.0005 Ampere-second is typical without bias.

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