

# PEARSON™ CURRENT MONITOR MODEL 6656

|                            |   |
|----------------------------|---|
| Sensitivity                | 1 Volt/Ampere $\pm 1\%$                 |
| Output resistance          | 50 Ohms                                 |
| Maximum peak current       | 500 Amperes                             |
| Maximum rms current        | 10 Amperes                              |
| Droop rate                 | 0.14 %/microsecond                      |
| Useable rise time          | 3.5 nanoseconds typical                 |
| Current time product       | 0.01 Amp-second max                     |
| Low frequency 3 dB point   | 200 Hz (approximate)                    |
| High frequency response    | 70 MHz $\pm 1$ dB<br>110 MHz $\pm 3$ dB |
| I/f figure                 | 0.04 peak Amperes/Hz                    |
| I <sup>2</sup> t per pulse | 30 A <sup>2</sup> s maximum             |
| Output connector           | BNC                                     |
| Operating temperature      | 0 to 65 °C                              |

\* Maximum current-time product can be obtained by using core-reset bias as described in the *Application Notes*. 0.002 Ampere-second is typical without bias.

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