

ELECTRON SOURCES

Communications & Power Industries Electron Guns



| TYPE NUMBER | Cooling ¹ | FILAMENT | | CATHODE | | CONFLAT Size, in. | D _{GK} , microns | MAXIMUM RATINGS | | | EMISSION | |
|-------------|----------------------|----------|------|---------------|-------------------|-------------------|---------------------------|--------------------|----------------------|-----------------------|----------------------|----------|
| | | Volts | Amps | Area, sq. cm. | Type ² | | | E _p , V | E _p , Vdc | I _p , mAdc | E _p , Vdc | Ib, Amps |
| Y-809 | A/CC | 6.0 | 1.3 | 0.1 | D | 2 3/4 | 135 | 6.3 | -150 | 50 | 6.0 | 0.003 |
| YU-180 | A/CC | 6.0 | 1.3 | 0.1 | D | 2 3/4 | 150 | 6.6 | -150 | 50 | 150 | 0.25 |
| Y-646B | A/CC | 6.0 | 1.4 | 0.5 | D | N/A | 150 | 6.3 | -150 | 50 | 150 | 0.75 |
| Y-845 | A/CC | 6.0 | 1.4 | 0.5 | D | 2 3/4 | 140 | 7.5 | -150 | 25 | 100 | 1.25 |
| Y-646E | A/CC | 6.3 | 2.2 | 1.0 | D | N/A | 150 | 6.6 | -200 | 75 | 100 | 3 |
| YU-171 | A/CC | 6.3 | 2.2 | 1.0 | D | 2 3/4 | 160 | 7.5 | -150 | 25 | 100 | 3 |
| Y-646 | A/CC | 6.3 | 1.3 | 0.8 | O | N/A | 150 | 6.6 | -150 | 45 | 180 | 10 |
| Y-796 | A/CC | 6.0 | 5.8 | 2.0 | D | 3 3/8 | 170 | 7.5 | -150 | 50 | 100 | 12 |
| Y-824 | A/CC | 6.0 | 5.8 | 2.0 | D | 2 3/4 | 190 | 7.5 | -150 | 50 | 200 | 15 |
| YU-156 | A/CC | 6.0 | 8.3 | 3.0 | D | 3 3/8 | 170 | 7.5 | -150 | 550 | 100 | 18 |

¹ All gun assemblies are forced air and conduction cooled

² O = Oxide Cathode, D = Dispenser Cathode

With a history of producing high quality products, we can help you with your electron guns.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only.

Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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