The L0155X is a medium output power coaxial pulse magnetron that delivers 150 kW minimum of peak output power at a duty cycle of up to 0.001 and a pulse width of to 4.0 usec.

**SPECIFICATIONS**

**PERFORMANCE CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit(s)</th>
<th>Value(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (fo)</td>
<td>GHz</td>
<td>7.8-8.5</td>
</tr>
<tr>
<td>Peak Pulse Power Output (Po)</td>
<td>kW</td>
<td>150</td>
</tr>
<tr>
<td>Average Power Output (po)</td>
<td>W</td>
<td>150</td>
</tr>
<tr>
<td>Peak Anode voltage</td>
<td>kV</td>
<td>23-25</td>
</tr>
<tr>
<td>Peak Anode Current (ib)</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Average Anode Current (Ib)</td>
<td>mA</td>
<td>20</td>
</tr>
<tr>
<td>Pulse Width (tpc)</td>
<td>uSec</td>
<td>1.0-4.0</td>
</tr>
<tr>
<td>Duty Cycle (Du)</td>
<td></td>
<td>0.001</td>
</tr>
<tr>
<td>Filament Voltage (Ef) standby</td>
<td>V</td>
<td>13.75</td>
</tr>
<tr>
<td>Filament Current (If) standby</td>
<td>A</td>
<td>2.9-3.3</td>
</tr>
<tr>
<td>Warm-up Time (tk)</td>
<td>sec</td>
<td>150</td>
</tr>
<tr>
<td>Max Load VSWR</td>
<td></td>
<td>1.1:1</td>
</tr>
</tbody>
</table>

**MECHANICAL DESCRIPTION**

- RF Launch Type: Waveguide to WR-112
- Weight (nominal): 15 lbs, (6.8Kg)
- Outline Dimensions: See outline
- Mounting position: Any
- Tuning: Standard tuner dial-knob installed
- Cooling: Forced-air

Specifications are subject to change without notice.

**KEY FEATURES**

- Tunable over 7.8 GHz to 8.5 GHz range
- Output power, 150 kW peak
- .001 duty cycle
- Forced-air cooling
- Integral permanent magnets
- Waveguide output to WR-112
- Equivalent to VMX-1809
L0155X
150 KW X-BAND
COAXIAL PULSED MAGNETRON

SEE OUTLINE
(measurements in inches)

Please contact L3 Electron Devices for additional information, specific product requests, and/or requirements.

L3 Electron Devices
1035 Westminster Drive
Williamsport, PA 17701
570.326.3561
Toll free 888.861.1843
Fax: 570.326.2903
Email: EDD.Sales@L3T.com

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