General Description

KR 2910 is a 875 MHz bandpass filter. The filter is a pseudo elliptic type for sharp stopband transition. The filter is Other center frequencies and bandwidths are available. Please consult the factory.

Features

- 875 MHz Center Frequency
- 42 MHz min 3 dB Bandwidth
- Sharp Elliptic Type Response
- Surface Mount Package
- 50 Ω Source and Load

Typical Performance

Passband Amplitude & Group Delay

(1 dB/div and 10 nsec/div)

Overall Response

(5 dB/div)
## KR Electronics 2910

### Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter type</td>
<td>Bandpass</td>
</tr>
<tr>
<td>Center Frequency</td>
<td>875 MHz</td>
</tr>
<tr>
<td>3 dB Bandwidth</td>
<td>42 MHz min</td>
</tr>
<tr>
<td>Rejection at 831 MHz &amp; below</td>
<td>50 dB min</td>
</tr>
<tr>
<td>Rejection 920 MHz to 1700 MHz</td>
<td>50 dB min</td>
</tr>
<tr>
<td>Source and Load</td>
<td>50 Ω</td>
</tr>
</tbody>
</table>

### Physical Dimensions

![Physical Dimensions Diagram](image)

**Notes:**
1. Surface mount package — Metal cover open frame
2. Dimensions in inches
3. Maximum reflow temperature is 209° C for 10 sec maximum.
4. If boards are cleaned after installation, units must be completely dried.