KOR Electronics is pleased to introduce the latest wideband Digital RF Memory at the heart of our laboratory simulation products. This 10-bit DRFM offers an unprecedented 1 GHz of Instantaneous Bandwidth in a 2 slot VME bus footprint.

This new DRFM kernel also includes digital data manipulation for target effect simulation and a 12-bit D/A converter for enhanced resolution and linearity.

**APPLICATIONS**

- High Fidelity Signal Delay
- RF Capture/Analysis/Generation
- Complex Target Simulation
- ECM Technique Development

1 GHz IBW with Real-Time Digital Modulation for Doppler, Amplitude, Phase, and Multi-Scatterer Simulation

- 10-Bit A/D
- 12-Bit D/A
- 1 GHz IBW
- -50 dBc Spurious
- Digital Modulation
- Complex Targets

10-Bit 1 GHz Digital RF Memory

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Tel. 714.898.8200  Fax 714.895.7526
korelectronics.com
# 10-Bit 1 GHz Digital RF Memory

## DRFM Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Coverage</td>
<td>Base band or customer defined IF or RF Frequency</td>
</tr>
<tr>
<td>Instantaneous BW</td>
<td>Up to 1 GHz</td>
</tr>
<tr>
<td>Spurious</td>
<td>&lt;50 dBC typical</td>
</tr>
<tr>
<td>Range Delay</td>
<td>&lt;120 ns to 7.5 ms (standard)</td>
</tr>
<tr>
<td>Delay Resolution</td>
<td>&lt;0.5 nanosecond</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>&lt;20 ns to CW</td>
</tr>
<tr>
<td>Pulse Repetition Frequency (PRF)</td>
<td>&lt;100 Hz to &gt;5 MHz, CW</td>
</tr>
<tr>
<td>Doppler Offset</td>
<td>+/-2 MHz (standard)</td>
</tr>
<tr>
<td>Doppler Resolution</td>
<td>&lt;0.05 Hz (standard)</td>
</tr>
</tbody>
</table>

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For more information call:  
714.898.8200  
or e-mail  
sales@korelectronics.com

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Outstanding Spurious Performance across the Full Bandwidth