NJR CORPORATION

Product Note

198 Stauffer Blvd., San Jose, CA 94125 **Tel: (408) 995-6200 Fax: (408) 938-5580**

GaAs MMIC Applications

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NJG1551F / 1553F For Cellular Phone

NJG1551F and 1553F are Mixer ICs suitable for cellular phone application. US cellular application requires higher !P3 requirement. Our mixers can perform higher IIP3 characteristics if a resistance is connencted to

1) Size: Still many manufacturers are using ceramic filters. SAW filters are about half size of the ceramic filters (The ceramic filter is approximately 7mm X 6mm where as the SAW filter is 3.5mmX3.5mm).

2) Cost: Due to the superior shape factors and the higher stop-band attenuation, two ceramic filters can be replaced by one SAW filter. Therefore, this solution offers tremendous cost savings.

3) Availability: Since we acquired a lot of customers for this market, parts are available from the stock.

NSVA288 / For Pagers

This is a **pager SAW filter** specifically designed for USA market. If you know the customer who makes 900MHz pager, this is the item to promote.

NSVA207/208 / For Cellular phones

These are **RF SAW Filters for Cellular band**. Since both TDMA and CDMA phones will maintain backward compatibility with the current Analog system (i.e. Dual mode phone), these filters can be offered to all of Cellular phone manufacturers who design the phone for USA market.

If you have any questions, please feel free to contact Sales Engineering at (408) 995-6200.

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We are just introducing a new, improved version of those filters featuring 3mm X 3mm SMD package. This offers additional space saving over the conventional 3.5mm X 3.5mm SMD package.

Old		New
NSVA207	**>>**	**NSVA497**
NSVA208	**>>**	**NSVA498**

Samples are available from August '98.

PCS Band Filters:

NJR has started several new designs for 1.9GHz PCS Application, engineering data is available upon request. Please contact applications engineering for the inquiry.

NSVA371 / For Codeless Phones:

NSVA419 is an ISM-band RF SAW filter. The major application of ISM band is for 900MHz codeless phone. This is one of the best selling items from our selection. Please finds codeless-phone designers and promote this device. It is available with, cost effective, 3.5mm X3.5mm SMD package.