

## **Miniature 0402 Schottky Diodes for Commercial and Industrial OEMs, ODMs and Contract Manufacturers**



Skyworks is pleased to introduce two new miniature 0402 Schottky diodes for handset, WLAN, CATV Satcom, land mobile radio, infrastructure and detector applications. These small form factor, low profile discrete solutions are available in plastic Surface Mount Technology packages and are ideal for general purpose detector, sampling and mixer circuits. The low capacitance of these general market diodes enables excellent high-frequency performance, while allowing for very good detector sensitivity.

The SMS3922-040LF is a plastic packaged, surface mountable low barrier Schottky diode designed for sensitive detector applications up to 10 GHz. The low capacitance of this diode (0.85 pF) combined with its low total resistance (9 $\Omega$  typical at 5 mA) make the SMS3922-040LF particularly well suited for sensitive detector circuits.

The SMS3922-040LF is also available in a variety of plastic packages and configurations that include an SOT-23 (the SMS3922-001LF), a small footprint SC-79, a miniature SC-70, an SOD-323 (the SMS3922-011LF), and as an unconnected pair in an SOT-143 (SMS3922-015LF).

Samples are available, and pricing depends on quantities. Please contact a sales representative at [sales@skyworksinc.com](mailto:sales@skyworksinc.com) or visit the company's Web site at [www.skyworksinc.com](http://www.skyworksinc.com) for more information.

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