Miniature 0402 Diodes for High Volume Commercial and Industrial OEMs

Skyworks Solutions, Inc. has introduced four miniature 0402 diodes for high volume commercial and industrial original equipment manufacturers (OEMs), original device manufacturers (ODMs) and contract manufacturers (CMs) – all of which are offered in a low profile, plastic surface mount technology (SMT) package. These small form factor devices offer low parasitic inductance and low thermal impedance, making them ideal for a variety of markets including WLAN, WiMAX, cellular handset, cellular infrastructure, automotive, CATV/Satcom, smart energy, medical, military, RFID, and test and measurement. New products include: SMP1320-040LF is a PIN diode for handset, WLAN, CATV Satcom, land mobile radios, infrastructure, T/R and high-isolation applications requiring fast switching. This small form factor, discrete general market solution has very low-insertion loss; SMP1330-040LF is a limiter diode for CATV Satcom, land mobile radios, infrastructure and test measurement applications requiring fast, sensitive receiver protection. This small form factor, discrete general market solution has low-series resistance and low inductance; SMP1352-040LF is a PIN diode for handset, WLAN, CATV Satcom, land mobile radios, infrastructure, T/R and high-isolation switching applications. The general market diode combines excellent power handling with very low insertion loss, good isolation and low distortion; and SMS7630-040LF is a Schottky diode for handset, WLAN, CATV Satcom, land mobile radios, infrastructure and military applications requiring sensitive detection and sampling circuits up to 12 gigahertz (GHz). The small form factor, discrete general market solution has low capacitance, low inductance and low-forward voltage.

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