



## Integrated Discretes

### **Integrated dual channel passive LC-filter network with ESD protection to IEC 61000-4-2 level 4**

The IP3047CX6 is a low-ohmic, dual channel LC low-pass filter array which is designed to provide filtering of undesired RF signals. In addition, IP3047CX6 incorporates diodes to provide protection to downstream components from ElectroStatic Discharge (ESD) voltages as high as  $\pm 15$  kV contact discharge according the IEC 61000-4-2 model, far exceeding standard level 4

#### **Key Benefits**

- Pb-free, RoHS compliant and free of halogen and antimony (Dark Green compliant)
- Integrated dual channel  $\pi$ -type LC-filter network, 0.25  $\Omega$  series resistance per channel; 190 pF channel capacitance
- Integrated ESD protection withstanding  $\pm 15$  kV contact discharge, far exceeding IEC 61000-4-2 level 4

**Key Applications:** Cellular and Personal Communication System (PCS) mobile handsets / DECT / Portable media player

**PIP page:** <http://www.nxp.com/pip/IP3047CX6.html>

#### **Availability**

**Samples:** Now

**Volume Production:** Oct / 2010

**Push to Distribution:** Yes

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