

CSPEMI202A

EMI Filter with ESD Protection, Headset Microphone

Product Overview

For complete documentation, see the data sheet.

The CSPEMI202AG is a dual low-pass filter array integrating two pi-style filters (C-R-C) that reduce EMI/RFI emissions while at the same time providing ESD protection. This part is custom designed to interface with a microphone port on a cellular telephone or similar device. Each high quality filter provides more than 35dB attenuation in the 800-2700 MHz range. These pi-style filters support bidirectional filtering, controlling EMI both to and from a microphone element. They also support bipolar signals, enabling audio signals to pass through without distortion.

Features

- Two lines of EMI suppression with integrated ESD protection
- Extremely low lead inductance for optimum filter and ESD performance
- Cellular phones, notebook computers, netbook computers, portable navigation devices

Benefits

- Suppresses noise off of strong analog and digital audio lines, provides ESD protection in a monolithic Chip Scale Package
- Using Chip Scale Packaging to eliminate the long wires associated

Applications

- Audio interfaces on wireless devices