



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Product Overview

CSPEMI202A: EMI Filter with ESD Protection, Headset Microphone

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

Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Filter Type	R Typ (Ω)	C Typ (pF)	I_R Max (μ A)	$V_{(BR)}$ Typ (V)	V_{RWM} Max (V)	Package Type
CSPEMI202AG	Pb-free	Active	Audio	2	R-C	68	94	1	6.8	5	WLCSP-5
	Halide free		General I/O								
CSPEMI202FCTAG	Pb-free Halide free	Active	Audio General I/O	2	R-C	68	94	1	6.8	5	WLCSP-5

For more information please contact your local sales support at www.onsemi.com.

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