

Product Overview

NUF4220: Audio EMI Filter, 4 Line, with ESD Protection

For complete documentation, see the [data sheet](#).

NUF4220MN is a 4 line LC EMI filter array designed for audio applications. It offers greater than -30 dB attenuation at frequencies from 800 MHz to 5.0 GHz, with no line loss. This part is a single chip solution for audio interface applications, 2 speaker lines with a microphone line. This device also offers ESD protection-clamping transients from static discharges and ESD protection is provided across all capacitors.

Features

- Provides EMI Filtering and ESD Protection
- Integration of 20 Discrettes
- Compliance with IEC61000-4-2 (level 4) 18 kV(Contact)
- DFN8, 2x2 mm Package
- Moisture Sensitivity Level 1
- ESD Ratings: Machine Model = C and Human Body Model = 3B
- Excellent Line Efficiency with Low Line Resistance < 1.1 Ω max
- This is a Pb-Free Device

Applications

- Headsets, MP3s, and PDAs
- Digital Cameras, Portable DVDs, and Handfree Interface

Part Electrical Specifications

Product	Pricing (\$/Unit)	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
NUF4220MNT1G	0.2737	Pb-free Halide free non AEC-Q and PPAP	Active	Audio	4	L-C	0.85	205	0.1	7	5	DFN-8

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

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