Common mode Noise Filter Array

Type: **EXC28CG**



Features

- 2 Common mode noise filters in one package
- Small size and low-profile(L 2.0 mm×W 1.0 mm×H 0.5 mm)
- The 3 GHz or wider signal pass band prevents rounding of transmitted signal waveforms.
- The TDR value is controlled to 100 Ω (typ.), preventing transmission signal reflection
- The filter passed the HDMI eye pattern test, and was improved against jitters, phase shifting, and other waveform deformations.
- Reduce the common mode noise and reform the signal wave by high-coupled inductors
- Magnetic shield type

Recommended Applications

- HDMI data lines such as TV, STB, DVD, DVC.
- S-ATA data lines such as PCs , HDD.

Explanation of Part Numbers



Construction



Dimensions in mm (not to scale)



Circuit Configuration



Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

Panasonic

Ratings

Part Number	Impedance (Ω) at 100 MHz		Rated Voltage	Rated Current	DC Resistance
	Common Mode	Differential Mode	(V DC)	(mA DC)	(Ω)max.
EXC28CG240U	24 Ω ±25 %	15 Ω max.	5	160	1.5
EXC28CG900U	90 Ω ±25 %	17 Ω max.	5	130	3.0

Impedance Characteristics (Typical) ● EXC28CG240U ● EXC28CG900U 10000 10000 1000 1000 Common Mode Common Mode Impedance (Ω) Impedance (Ω) 100 100 10 10 Differential Mode Differential Mode 1 1 10 1000 10000 10 100 1000 10000 1 100 1 Frequency (MHz) Frequency (MHz) Measurement Circuit (B) Differential Mode (A) Common Mode Ź (\mathbf{Z}) Packaging Methods(Taping) and Recommended Land Pattern Design

■ Recommended Soldering Conditions and ASafety Precations

Refer 126 page. Refer 127 page.