

# On-Board Type (DC) EMI Suppression Filters (EMIFIL®)

**muRata**

## Chip Common Mode Choke Coils Monolithic Type DLM11G/DLM2HG Series

### DLM11G Series

Small size chip common mode choke coil.  
Suitable for noise suppression at audio line for mobile phone.

#### ■ Features

1. Small size: 1.25x1.0x0.5mm
2. Noise suppression for personal mobile equipment
3. Enables suppression of both differential mode and common mode noise.

Common mode impedance:

600 ohm at 100MHz (Typ.)

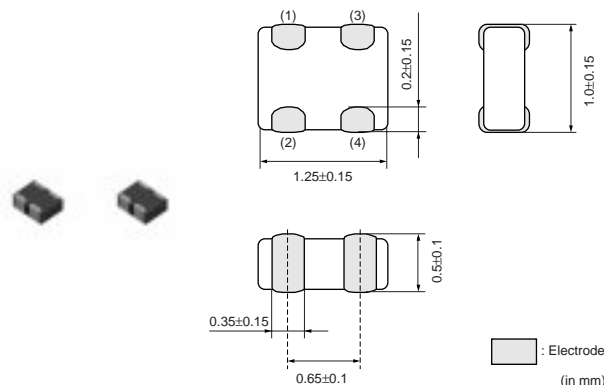
Differential mode impedance:

1200 ohm at 100MHz (Typ.)

4. Available for high density mounting (Narrow pitch)

#### ■ Applications

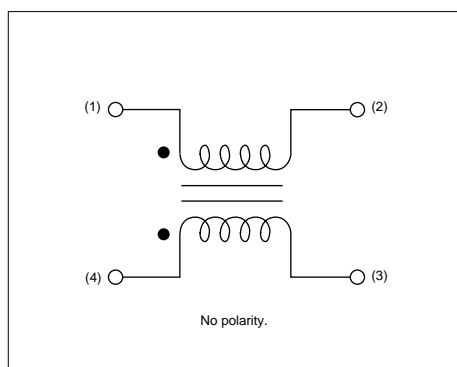
1. Audio line for mobile phone  
(Microphone, Speaker, Headphone)
2. Handset
3. Personal mobile equipment  
(PDA, Digital still camera, MD player)



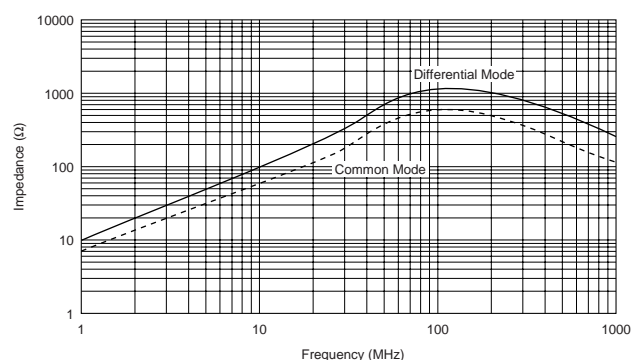
Part Number	Common Mode Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (min.) (M ohm)	Withstand Voltage (Vdc)	DC Resistance (ohm)
<b>DLM11GN601SZ2</b>	600 ±25%	100	5	100	25	0.8 max.

Operating Temperature Range : -40°C to 85°C

#### ■ Equivalent Circuit



#### ■ Impedance-Frequency Characteristics



## DLM2HG Series

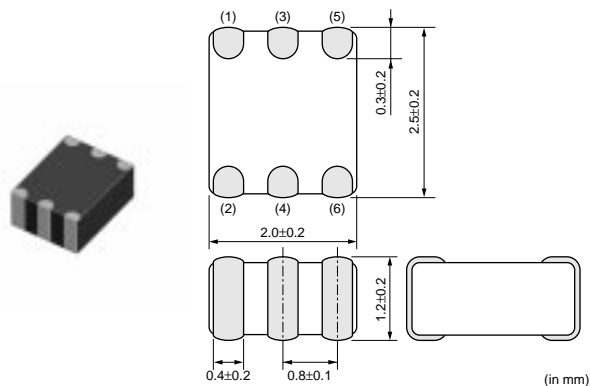
DLM2HG Series is a high quality noise suppression filter for headphone lines of high quality digital music equipment.

### ■ Features

1. Low distortion in audio signal, low cross talk
2. Effective in noise suppression both of common mode and of differential mode
3. Small size, low profile, SMD 2.5x2.0x1.2mm

### ■ Applications

1. Headphone lines of digital music equipment such as DVD, MD player
2. Headphone lines of Note-PC, PDA

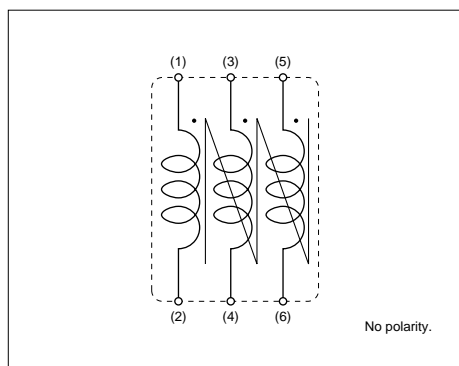


Part Number	Common Mode Impedance (at 100MHz, 20 degree C) (ohm)	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (min.) (M ohm)	Withstand Voltage (Vdc)	DC Resistance (ohm)
<b>DLM2HGN601SZ3</b>	600 ±25%	100	16	100	100	0.40 max.

Operating Temperature Range : -40°C to 85°C

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### ■ Equivalent Circuit



### ■ Impedance-Frequency Characteristics

