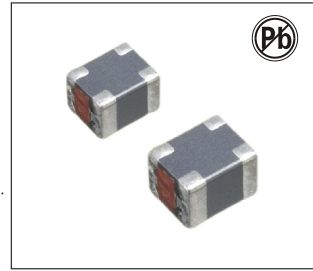


# COMMON MODE CHOKE COILS FOR DC POWER LINE

## SQD 3225, 4532 SERIES



### FEATURES:

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000Ω at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 10A) of any chip-type common mode filter.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-free soldering.
- This product does not contain regulated substances that are slated to be included in RoHS.

### APPLCATIONS:

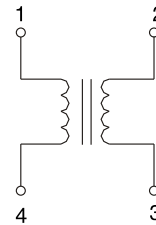
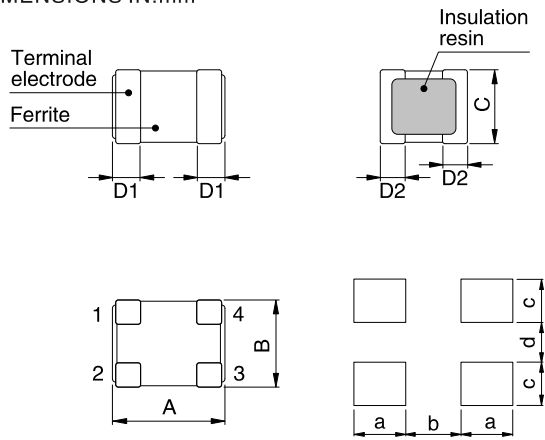
- Used for power line noise suppression for any electronic devices. Used to counter adapter/battery line noise for relatively large elec-tronic devices such as notebook PCs, stand-alone word proces-sors, etc.

## ELECTRICAL CHARACTERISTICS:

| Part Number | Impedance@100MHz<br>(Common mode test) |        | DCR<br>(mΩ)Max | Rated current<br>(A)Max | Rated voltage<br>(VDC)Max | Insulation resistance<br>(MΩ)Min |
|-------------|--|--------|----------------|-------------------------|---------------------------|----------------------------------|
|             | (Ω)Min                                 | (Ω)Typ |                |                         |                           |                                  |
| SQD3225-601 | 450                                    | 600    | 200            | 1.0                     | 50                        | 10                               |
| SQD4532-601 | 450                                    | 600    | 100            | 1.5                     | 50                        | 10                               |
| SQD4532-801 | 600                                    | 800    | 100            | 1.0                     | 50                        | 10                               |

## PHYSICAL CHARACTERISTICS: WINDING:

DIMENSIONS IN:mm



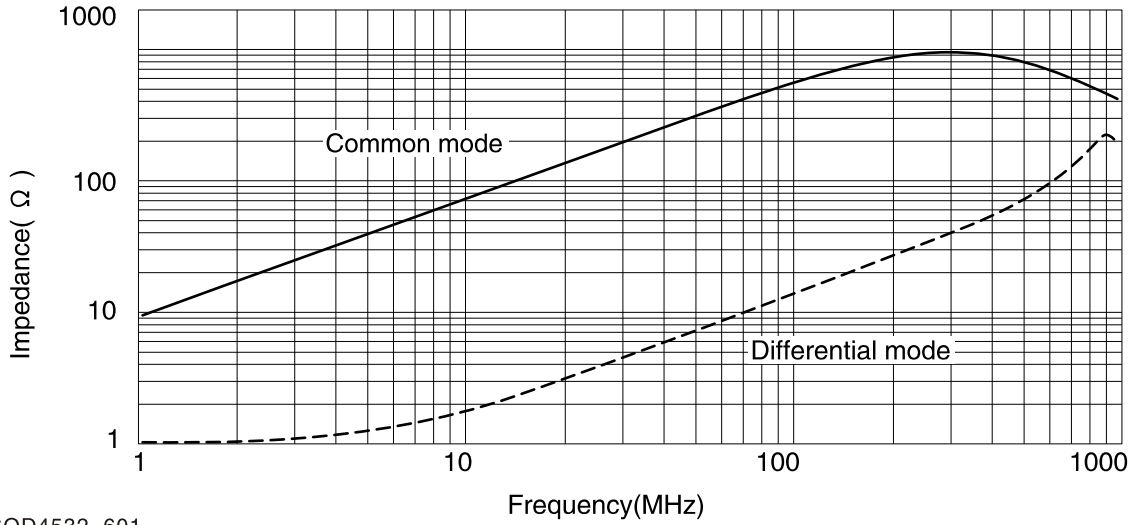
LAND PATTERNS

|         | A       | B       | C      | D1  | D2   | a   | b   | c    | d   |
|---------|---------|---------|--------|-----|------|-----|-----|------|-----|
| SQD3225 | 3.2±0.2 | 2.5±0.2 | 2.3Max | 0.7 | 0.65 | 1.5 | 1.6 | 1.4  | 1.1 |
| SQD4532 | 4.5±0.2 | 3.2±0.2 | 3.0Max | 1   | 1    | 1.8 | 2.3 | 1.75 | 1.1 |

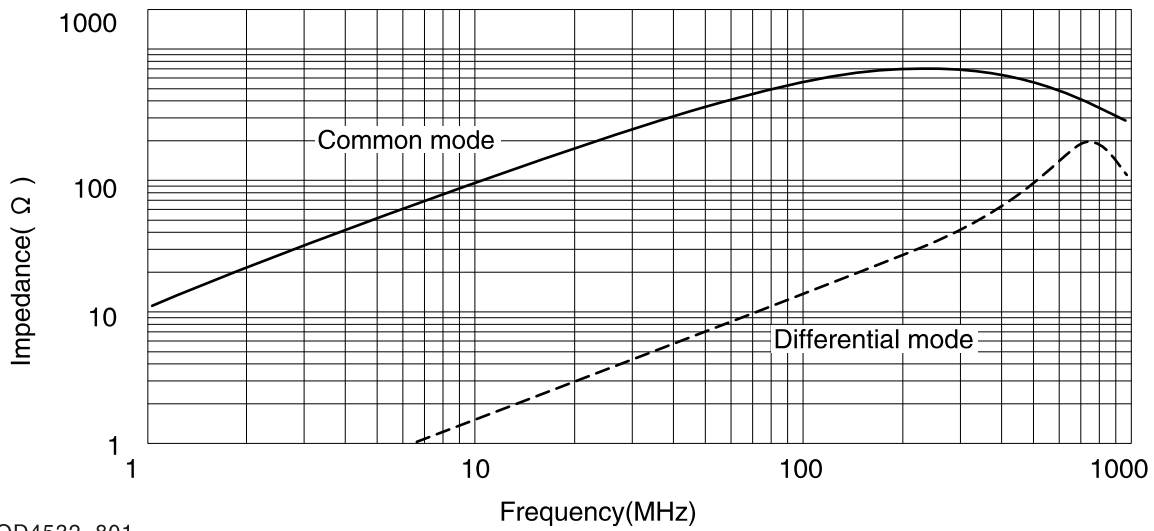
- Impedance test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohm meter
- Insulation resistance: 10MΩ Min
- Operating temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Packing: SQD3225: φ 180mm, 1000Pcs/Reel  
φ 330mm, 5000Pcs/Reel
- SQD4532: φ 180mm, 500Pcs/Reel  
φ 330mm, 2000Pcs/Reel

# COMMON MODE CHOKE COILS FOR DC POWER LINE

SQD3225-601



SQD4532-601



SQD4532-801

