



DVSERIES

MULTI-PURPOSE POWER LINE FILTERS



INTRODUCTIONS

Two-stage filters are for susceptibility use when equipment impedance at radiation frequency is low.

COMPONENTS

| PART NO. | C1(uF) | C2(uF) | L1(mH) | L2(uH) | Cy(pF) | R(KΩ) |
|----------|--------|--------|--------|---------|--------|-------|
| 03DVCG5 | 0.22 | 0.22 | 1.0 | 30 | 5500 | 330K |
| 06DVCG5 | | | 1.7 | 70 | | |
| 10DVCG5 | | | 1.2 | 40 | | |
| 20DVGG5 | | | 1.73 | 30 | | |

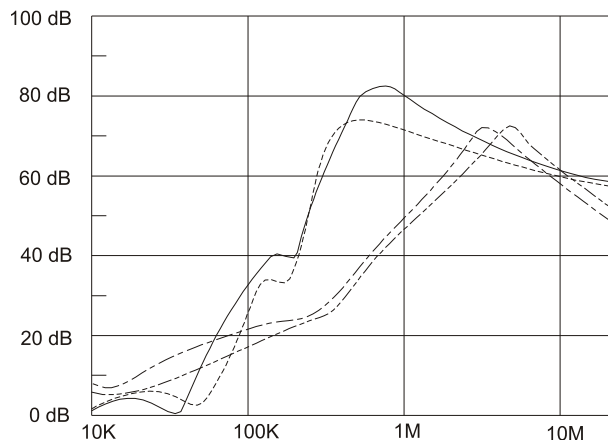
MINIMUM INSERTION LOSS IN dB

| COMMONMODE (L-G) IN 50 OHM SYSTEM | | | | | | | |
|---|---------------|-----|-----|-----|----|----|--|
| CURRENT RATING | FREQUENCY-MHz | | | | | | |
| | .15 | .50 | 1.0 | 5.0 | 10 | 30 | |
| 3A | 12 | 25 | 35 | 50 | 45 | 40 | |
| 6A | 23 | 40 | 50 | 55 | 55 | 40 | |
| • 10A | 10 | 20 | 30 | 50 | 45 | 35 | |
| ** 20A | 20 | 20 | 35 | 45 | 45 | 30 | |
| DIFFERENTIALMODE (L-L) IN 50 OHM SYSTEM | | | | | | | |
| 3A | 30 | 50 | 60 | 60 | 70 | 50 | |
| 6A | 25 | 35 | 50 | 55 | 55 | 50 | |
| • 10A | 25 | 55 | 60 | 60 | 55 | 55 | |
| ** 20A | 25 | 50 | 50 | 50 | 45 | 45 | |

• VDE approved in 8A
 ** VDE approved in 16A

INSERTION LOSS (TYPICAL)

03DVCG5 ----- COMMON MODE ----- DIFF. MODE
 06DVCG5 ----- COMMON MODE ----- DIFF. MODE



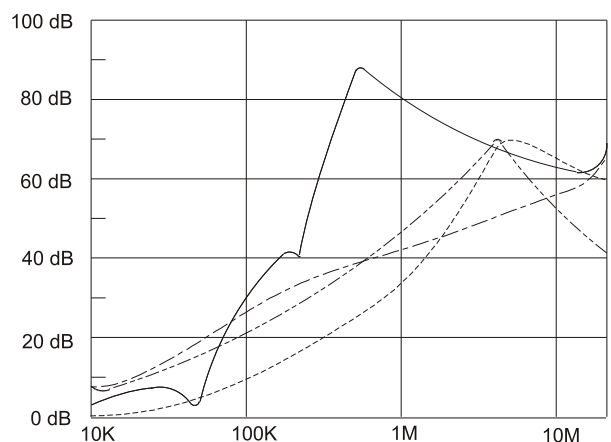
SPECIFICATIONS

- Maximum leakage current each line-to-ground: @115VAC 60Hz: 0.45mA
 @250VAC 50Hz: 0.90mA
- Hipot rating (one minute)
 line-to-ground: 2250VDC
 line-to-line: 1450VDC
- Operating frequency: 50/60Hz
- Rated voltage: 115/250VAC

SERIES DIMENSIONS

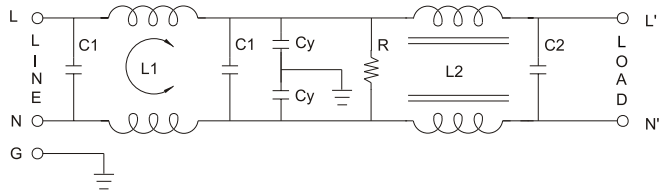
| PART NO. | DIMENSIONS IN INCHES/mm | | | | |
|----------|-------------------------|--------------|--------------|--------------|---------------|
| | A | B | C | D | E |
| 03DVCG5 | 3.25 82.5 | 1.90 48.3 | 1.15 29.2 | 2.38 60.5 | 2.77 70.4 |
| 06DVCG5 | 3.75 95.2 | 2.06 52.3 | 1.54 39.1 | 2.94 74.7 | 3.34 84.8 |
| 10DVCG5 | | | | | |
| 20DVGG5 | 5.25 130.5 | 3.40 86.4 | | 3.75 95.3 | 4.14 105.1 |

10DVCG5 ----- COMMON MODE ----- DIFF. MODE
 20DVGG5 ----- COMMON MODE ----- DIFF. MODE

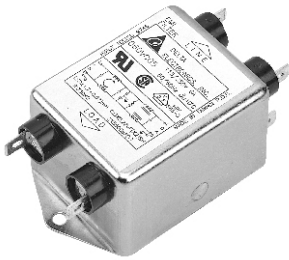


GENERAL PURPOSE TWO-STAGE FILTERS

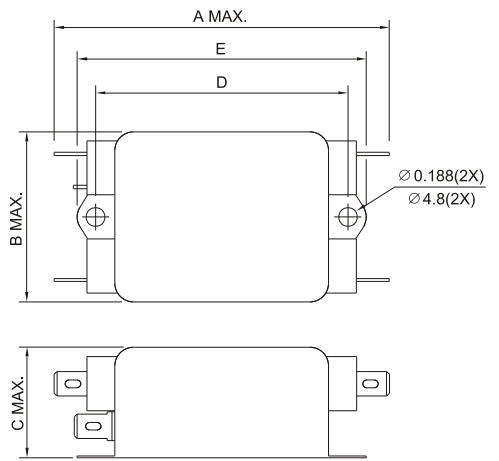
ELECTRICAL SCHEMATIC



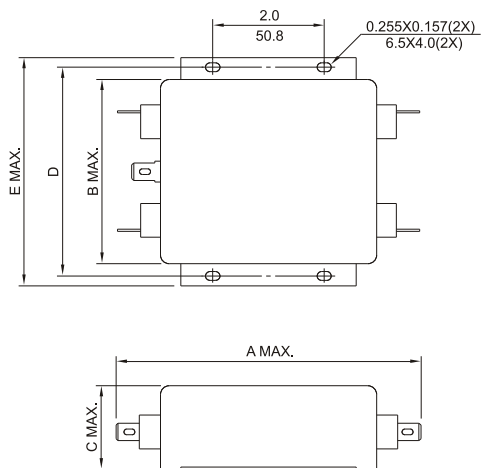
MECHANICAL CONSTRUCTION



CG5



GG5



UNIT: $\frac{\text{INCH}}{\text{mm}}$

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Delta Electronics:](#)

[20DVGG5](#) [03DVCG5](#) [10DVCG5](#) [06DVCG5](#)