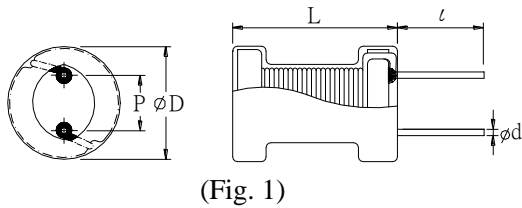


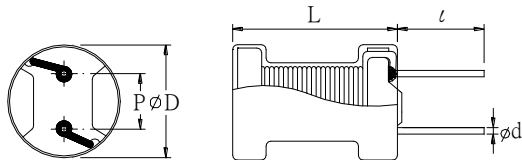
Radial Peaking Coils-CD2810

EXTERNAL DIMENSIONS

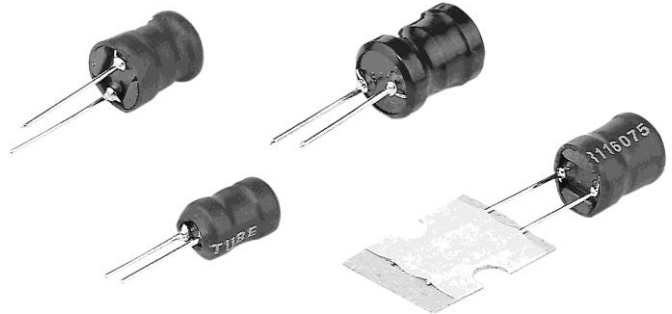
(Unit: m/m)



(Fig. 1)



(Fig. 2)



| Type | L(Max.) | ΦD Max. | ± 2 | | Φd ± 0.05 | P ± 0.5 | Fig No. |
|--------|---------|----------|--------|--------|-----------|---------|---------|
| | | | Bulk | Taping | | | |
| CD2810 | 8.5±1.5 | 10.0±2.0 | 15±1.5 | 25±1.5 | 0.65 | 5 | 1 |

| Part Number | Inductance L @ 1KHz (μH) | Q Min. | Self-Resonant Frequency (MHz)Min. | DC Resistance (Ω)Max. | Rated DC Current (A)Max. |
|---------------|--------------------------|--------------|-----------------------------------|-----------------------|--------------------------|
| CD2810*100□US | 10 | 40 @ 2.52MHz | 14 | 0.030 | 3.000 |
| CD2810*120□US | 12 | 40 @ 2.52MHz | 13 | 0.033 | 2.600 |
| CD2810*150□US | 15 | 40 @ 2.52MHz | 12 | 0.040 | 2.300 |
| CD2810*180□US | 18 | 40 @ 2.52MHz | 11 | 0.044 | 2.200 |
| CD2810*220□US | 22 | 40 @ 2.52MHz | 9.20 | 0.056 | 2.000 |
| CD2810*270□US | 27 | 40 @ 2.52MHz | 8.50 | 0.077 | 1.700 |
| CD2810*330□US | 33 | 30 @ 2.52MHz | 7.80 | 0.087 | 1.600 |
| CD2810*390□US | 39 | 30 @ 2.52MHz | 6.90 | 0.098 | 1.500 |
| CD2810*470□US | 47 | 30 @ 2.52MHz | 6.50 | 0.110 | 1.400 |
| CD2810*560□US | 56 | 30 @ 2.52MHz | 5.40 | 0.130 | 1.300 |
| CD2810*680□US | 68 | 30 @ 2.52MHz | 4.90 | 0.140 | 1.200 |
| CD2810*820□US | 82 | 30 @ 2.52MHz | 4.10 | 0.190 | 1.100 |
| CD2810*101□US | 100 | 20 @ 796KHz | 3.70 | 0.230 | 0.910 |
| CD2810*121□US | 120 | 20 @ 796KHz | 3.40 | 0.300 | 0.840 |
| CD2810*151□US | 150 | 20 @ 796KHz | 3.20 | 0.350 | 0.750 |
| CD2810*181□US | 180 | 20 @ 796KHz | 2.80 | 0.390 | 0.690 |
| CD2810*221□US | 220 | 20 @ 796KHz | 2.70 | 0.490 | 0.640 |
| CD2810*271□US | 270 | 20 @ 796KHz | 2.40 | 0.590 | 0.570 |
| CD2810*331□US | 330 | 20 @ 796KHz | 2.30 | 0.790 | 0.540 |
| CD2810*391□US | 390 | 20 @ 796KHz | 2.10 | 0.870 | 0.480 |
| CD2810*471□US | 470 | 20 @ 796KHz | 1.90 | 0.950 | 0.460 |
| CD2810*561□US | 560 | 20 @ 796KHz | 1.80 | 1.200 | 0.410 |
| CD2810*681□US | 680 | 20 @ 796KHz | 1.60 | 1.600 | 0.380 |

NOTE: □Tolerance value : K = ±10%, M = ±20%, N = ±30%.

DIP

Radial Peaking Coils-CD2810

| Part Number | Inductance L @ 1KHz (μH) | Q Min. | Self-Resonant Frequency (MHz)Min. | DC Resistance (Ω)Max. | Rated DC Current (A)Max. |
|---------------|--------------------------|--------------|-----------------------------------|-----------------------|--------------------------|
| CD2810*821□US | 820 | 20 @ 796KHz | 1.50 | 1.800 | 0.350 |
| CD2810*102□US | 1000 | 40 @ 252KHz | 1.30 | 2.900 | 0.290 |
| CD2810*122□US | 1200 | 60 @ 252KHz | 1.20 | 2.500 | 0.280. |
| CD2810*152□US | 1500 | 60 @ 252KHz | 1.12 | 2.700 | 0.250. |
| CD2810*182□US | 1800 | 60 @ 252KHz | 1.00 | 3.200 | 0.230 |
| CD2810*222□US | 2200 | 60 @ 252KHz | 0.97 | 3.500 | 0.200 |
| CD2810*252□US | 2500 | 60 @ 252KHz | 0.90 | 4.000 | 0.180 |
| CD2810*272□US | 2700 | 60 @ 252KHz | 0.80 | 4.800 | 0.170 |
| CD2810*332□US | 3300 | 60 @ 252KHz | 0.72 | 5.400 | 0.160 |
| CD2810*392□US | 3900 | 60 @ 252KHz | 0.65 | 6.000 | 0.150 |
| CD2810*472□US | 4700 | 60 @ 252KHz | 0.64 | 9.000 | 0.140 |
| CD2810*532□US | 5300 | 60 @ 252KHz | 0.58 | 9.500 | 0.130 |
| CD2810*562□US | 5600 | 60 @ 252KHz | 0.55 | 10 | 0.120 |
| CD2810*682□US | 6800 | 60 @ 252KHz | 0.47 | 13 | 0.100 |
| CD2810*822□US | 8200 | 60 @ 252KHz | 0.44 | 15 | 0.095 |
| CD2810*103□US | 10000 | 90 @ 79.6KHz | 0.40 | 17 | 0.070 |
| CD2810*123□US | 12000 | 90 @ 79.6KHz | 0.38 | 19 | 0.060 |
| CD2810*153□US | 15000 | 90 @ 79.6KHz | 0.32 | 28 | 0.050 |
| CD2810*183□US | 18000 | 90 @ 79.6KHz | 0.28 | 31 | 0.045 |
| CD2810*223□US | 22000 | 90 @ 79.6KHz | 0.26 | 36 | 0.030 |
| CD2810*273□US | 27000 | 90 @ 79.6KHz | 0.24 | 42 | 0.027 |
| CD2810*303□US | 30000 | 90 @ 79.6KHz | 0.23 | 54 | 0.020 |
| CD2810*333□US | 33000 | 90 @ 79.6KHz | 0.22 | 56 | 0.015 |
| CD2810*393□US | 39000 | 50 @ 79.6KHz | 0.18 | 87 | 0.010 |
| CD2810*473□US | 47000 | 50 @ 79.6KHz | 0.16 | 100 | 0.008 |

NOTE: □Tolerance value : K = ±10%, M = ±20%, N = ±30%.

Test Equipment

- Inductance & Q are measured with HP-4284A or equiv.
- SRF is measured with ML-2770 or equiv.
- DCR is measured with CH-502A or equiv.
- Rated DC current is measured with HP-42841A or equiv.

Characteristics

- Inductance tolerance.....±10%(Standard)
- Temperature rating.....-25°Cto +85°C
- Rated current..... Inductance drop by 10%
- Terminal tensile strength.....1.0 Kg min.
- Terminal bending strength.....0.3 Kg min

Features

- Ideal as a choke coil for noise filtering and DC to DC converter application.
- Covered with PVC or UL shrink tubing

Applications

- TV and Audio equipment
- Buzzers and Alarm systems
- Switching power supplies
- Other noise filters.