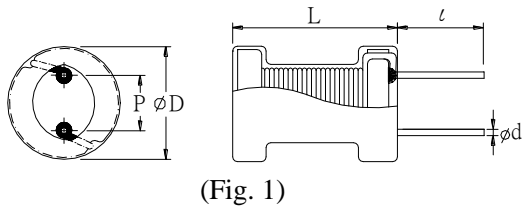


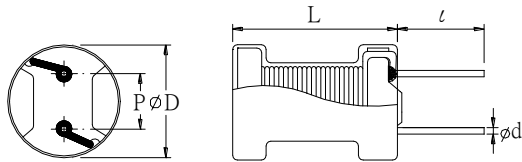
Radial Peaking Coils-CD27599

EXTERNAL DIMENSIONS

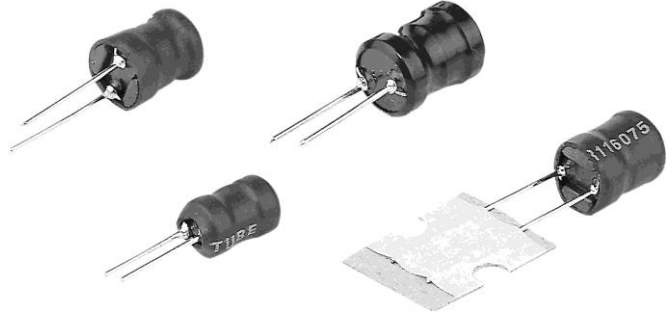
(Unit: m/m)



(Fig. 1)



(Fig. 2)



Type	L(Max.)	ΦD Max.	± 2		Φd ± 0.05	P ± 0.5	Fig No.
			Bulk	Taping			
CD27599	8.0±1.5	9.5±1.5	15	25	0.65	5	2

Part Number	Inductance L @ 100KHz (μH)	Self-Resonant Frequency (MHz) Min.	DC Resistance (Ω) Max.	Rated DC Current (A) Max.	Saturation DC Current (A) Max.
CD27599*1R0□US	1.0	150	0.013	3.71	10.00
CD27599*1R5□US	1.5	130	0.016	3.32	8.50
CD27599*2R2□US	2.2	100	0.021	3.15	6.50
CD27599*3R3□US	3.3	79	0.025	2.66	5.50
CD27599*4R7□US	4.7	51	0.030	2.27	4.30
CD27599*6R8□US	6.8	29	0.035	2.10	3.70
CD27599*100□US	10.0	14	0.045	1.96	3.00
CD27599*120□US	12.0	13	0.050	1.82	2.60
CD27599*150□US	15.0	12	0.056	1.75	2.30
CD27599*180□US	18.0	11	0.061	1.54	2.20
CD27599*220□US	22.0	9.2	0.070	1.29	2.00
CD27599*270□US	27.0	8.5	0.080	1.22	1.70
CD27599*330□US	33.0	7.8	0.090	1.17	1.60
CD27599*390□US	39.0	6.9	0.10	1.14	1.50
CD27599*470□US	47.0	6.5	0.17	0.79	1.40
CD27599*560□US	56.0	5.4	0.20	0.76	1.30
CD27599*680□US	68.0	4.9	0.22	0.70	1.20
CD27599*820□US	82.0	4.1	0.25	0.67	1.10
CD27599*101□US	100.0	3.7	0.28	0.58	0.91
CD27599*121□US	120.0	3.4	0.32	0.56	0.84

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

DIP

Radial Peaking Coils-CD27599

Part Number	Inductance L @ 100KHz (μH)	Self-Resonant Frequency (MHz) Min.	DC Resistance (Ω) Max.	Rated DC Current (A) Max.	Saturation DC Current (A) Max.
CD27599*151□US	150.0	3.2	0.54	0.42	0.75
CD27599*181□US	180.0	2.8	0.60	0.40	0.69
CD27599*221□US	220.0	2.7	0.68	0.38	0.64
CD27599*271□US	270.0	2.4	0.80	0.35	0.57
CD27599*331□US	330.0	2.3	0.90	0.33	0.54
CD27599*391□US	390.0	2.1	1.20	0.28	0.48
CD27599*471□US	470.0	1.9	1.37	0.25	0.46
CD27599*561□US	560.0	1.8	1.53	0.23	0.41
CD27599*681□US	680.0	1.6	2.00	0.21	0.38
CD27599*821□US	820.0	1.5	2.70	0.18	0.35
CD27599*102□US	1000.0	1.3	2.96	0.16	0.29

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°C to +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.

DIP