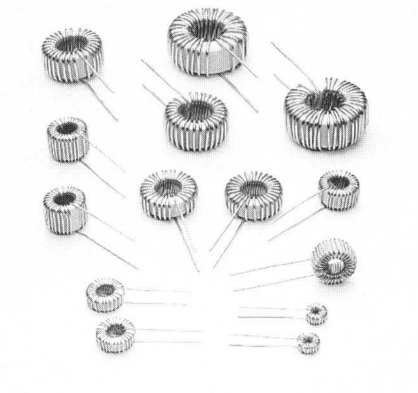
Iron Power Chokes T Series

T Series Toroid Type（環型電感器）

Configuration & Dimensions:(mm)



Features

- High Maximum Flux Density
- Low Cost
- Large Energy Storage Capacity

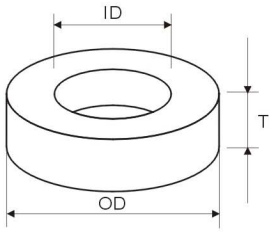
Applications

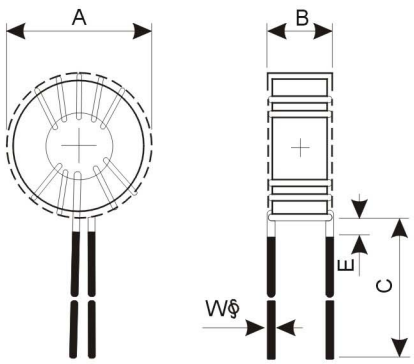
- High Frequency Chokes
- Conducted EMI Noise Filters
- Pulse Transformers
- DC Output/Input Filters
- Light Dimmer Chokes
- Power Factor Correction Inductors
- Continuous-mode Fly-back Inductors
- Output Chokes for Switching Power Supplies

- **Power Chokes Inductor**
  Inductance:1μH~20mH
  Current:0.1A~30A

- **Common Mode Inductor**
  Inductance:1μH~2mH
  Current:0.1A~30A

- **Iron Cores Dimension**





Material Description

- -2/-14 (A)Materials The low permeability of these materials will result in lower operating AC flux density than with other materials with no additional gap-loss.The -14Material is similar to -2 Material with slightly higher permeability.
- -2/-93 (B) Materials with its good linearity at high bias current is a less expensive alternative for -2 Material. It is suitable for applications that care less about the high frequency core less.I
- -8 Material This material has low core loss and good linearity under high bias conditions.A good high frequency material.The highest cost material.
- -8/93 (C) Material is a less expensive alternative for -8 Material,the core loss is close to -8 Material and the linearity at high bias current is very good.
- -18(D) Material This material has low core loss similar to the -8 Material with higher permeability and a lower cost.Good DC saturation characteristics.
- -19(E) Material An inexpensive alternate to the -18 Material with the same pemeability and some what higher core losses.
- -26(F) Material The most popular material.It is a costeffective general purpose material that is useful in a wide variety of power conversion and line filter applications.
- -28(G)/-30(H) Materials The good linearity,low cost,and relatively low permeability of this material make it popular in large sizes for high power UPS chokes.
- -33(I)/-34(J)/-35(K) Materials An inexpensive alternate to the -8Material for applications where high frequency core loss is not critica.Good linearity with high bias.
- -38(L) Material with its high magnetic permeability,is a low budget alternate of -26Material.Ia is the best choice for linear frequency application.
- -40(M) Material The least expensive material.It has characteristics quite similar to the very popular -26 Material.Popular in large sizes.
- -45(N)Material The highest permeability material.A high permeability alternate to -52Material with sightly hightly higher core losses.
- -52(P)Material This material has lower core loss at high frequency and the same permeability as the -26 Material.It is very popular for high frequency choke designs.