Nanocrystalline and Amorphous

Power Current toroidal Amorphous Inductive Iron Core without air-gap

Iron core characteristics:

1. Very low high frequency iron loss
2. Smaller and lighter than ferrite and magnetic powder core
3. Small leakage inductance due to missing gap
4. Small temperature coefficient of the inductance

Use:

1. Applicable to output of smoothing circuit
2. Applicable to DC-Dc inverter
3. Applicable to filter resonance suppressor
4. Applicable differential inductance
5. Applicable video, audio noise suppressor

Specification and performance of iron core

<table>
<thead>
<tr>
<th>Model</th>
<th>Specification</th>
<th>Technical Performance</th>
<th>Shell Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIE-C-AN30</td>
<td>$\varphi 11/18 \times 10$</td>
<td>$f = 1$KHZ $\varphi 1mm$ $N=26$ $0A L=565\pm25%\mu H$</td>
<td>SA1220(0A)B(Black) SA1220(0A)I(Ivory) SA1220(0A)G(Grey)</td>
</tr>
<tr>
<td>TIE-C-AN31</td>
<td>$\varphi 11/18 \times 10$</td>
<td>$f=1$KHZ $\varphi 0.8mm$ $N=52$ $2A L\geq300\mu H$</td>
<td>SA1220(2A)B(Black) SA1220(2A)I(Ivory) SA1220(2A)G(Grey)</td>
</tr>
<tr>
<td>TIE-C-AN32</td>
<td>$\varphi 8/20 \times 10$</td>
<td>$f=1$KHZ $\varphi 1.1mm$ $N=28$ $0A 1A 2A 3A 480$ $470$ $150$ $15\mu H$</td>
<td>SA1020(0<del>3A)B(Black) SA1020(0</del>3A)I(Ivory) SA1020(0~3A)G(Grey)</td>
</tr>
</tbody>
</table>

Notice:
1. SA1220(0A) represents inductance value when iron core specification is $\varphi 11/18 10mm, 0A$;
2. SA1220(2A) represents inductance value when iron core specification is $\varphi 11/18 10mm, 2A$;
3. SA1020(0~3A) may be divided into several varieties according to the needs, for example: SA1220(0A), SA1020(1A), SA1020(2A).