

EPC 型高频变压器

产品说明:

EPC 型变压器是为了适应超薄型开关电源而设计的一款高频变压器。它拥有扁型的铁氧体磁芯，它的形状能同时满足电源变压器高功率的要求和超薄体积的要求，同样也能适应开关电源在温升方面的要求，具有损耗小、输出功率大、工作频率宽，温升高，性能稳定等特点。广泛应用电视机电源、LED 电源、开关电源、导航等。但对 PCB 板的要求会提高；它比 EFD 型变压器在线包空间上有提高，同时 EMI 性能和漏感、辐射等参数均优于 EFD 型变压器，其它性能接近于 EE 型和 EC 型变压器。EPC 变压器常用型号有 EPC10, EPC13, EPC17, EPC19, EPC25, EPC30 等。

下表列出部分产品的外形尺寸及输出功率。

随着磁材特性和工作频率的不同，最大输出功率会有所不同，表中数据仅供参考。

测试条件 1KHz/1V，耐压 AC2000V，绝缘电阻：

DC500V ≥200MΩ。

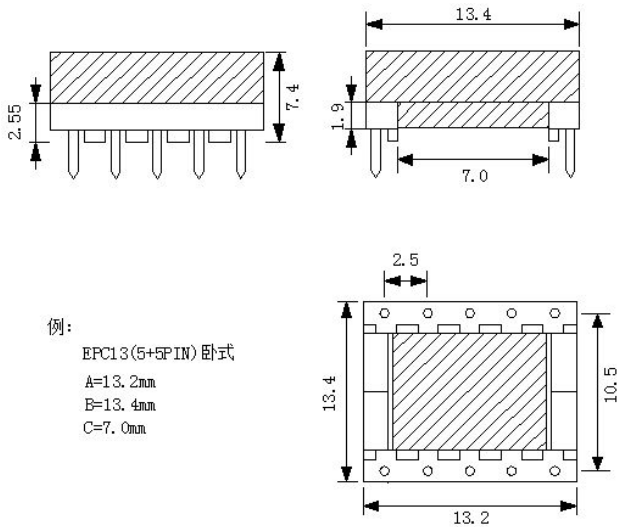
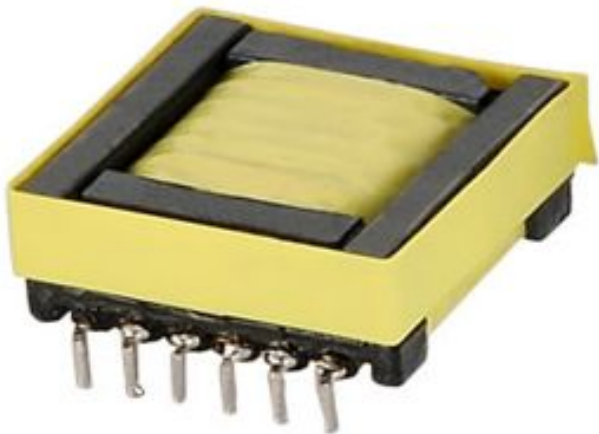
Product Description:

EPC transformer is designed for the ultra slim switching power supply and a high frequency transformer. It has a flat type ferrite cores, its shape can satisfy the requirements of power transformer for the high power requirements and slim volume also adapt to the switching power supply in the requirements of temperature rise, with low loss, high power output, wide frequency range, low temperature rise, stable performance and other characteristics. Widely used TV power, LED power, switching power supply, navigation, etc.. But the PCB board will be required to improve; it than EFD type transformer online package space to improve, also EMI performance and leakage inductance, radiation and other parameters are better than the EFD type transformer, other performance close to EC and EE type transformer. EPC transformer commonly used EPC10, EPC13, EPC17, EPC19, EPC25, EPC30, etc..

The following table lists the outline dimensions and output power of some products.

With the magnetic characteristics and the operating frequency, the maximum output power will be different, the data in the table is for reference only.

The test conditions of 1KHz/1V, voltage AC2000V, insulation resistance: DC500V = 200M.



序号	规格	外型尺寸 mm			参考 VA		重量
		A	B	C	f=50KHz	f=100KHz	参考值 g
1	EPC-9.5	10	5.5	10	1.1	2.5	9
2	EPC-13	14	9	14	5	8	11
3	EPC-17	19	11	18	14	20	18
4	EPC-19	20	13	21	18	27	21
5	EPC-25	27	17	26	36	59	29
6	EPC-27	29	17	36	52	75	35

以上数据仅供参考。The above data are for reference only.