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# Anant

*Serving Electronics . . . Consistently and Reliably*



***Manufacturers of Custom-Designed  
Transformers, Coils, Inductors, Solenoids***

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*Keeping customers happy since two decades*



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**ANANT ENTERPRISES** is a name synonymous with design and manufacture of high quality wound components like transformers, coils, chokes, inductors and solenoids.

A professional attitude and dedication to quality has earned us an impeccable reputation in the industry. We are leading manufacturer and exporter of high / low frequency high / low voltage transformers, coils, chokes, inductors and sub-assemblies to OEMs. We develop and manufacture custom designed products for individual requirements. We have experience serving the aerospace, telecom, medical, industrial automation, instrumentation, electrical and lighting industries.

Our commitment to innovation and quality has allowed us to meet and exceed our customers' expectations for over 20 years.



Our mission is to develop and manufacture customized magnetic and power solutions that add value to our customers. Our aim is "To deliver pre-determined quality of materials at competitive prices with high consistency again and again and again ...."

*Serving Electronics...Consistently and Reliably*, we will always be our customers' first choice.



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At Anant, we use authenticated  
raw materials

We have Qualified and Experienced team

## RELIABILITY



At Anant, we maintain a fully equipped R&D Lab

We have indigenised more than 70 Russian make  
components critical for Indian Defence

## TECHNICAL EXPERTISE



At Anant, the BOM and Specifications are  
frozen as per approved sample



The Manufacturing Processes and Details  
are well defined and followed

## CONSISTENCY



## ADVANTAGE ANANT

Incoming Q.C. of almost all raw materials



In-process Q.C. and Final Q.C. through  
computerized automatic test system

## QUALITY ASSURANCE

We are serving the electronics industry, OEMs,  
since more than 40 years for customized  
wound components



At Anant, we have Experienced and  
Competent Management

Success  
is the  
sum of small efforts,  
repeated  
day in and day out



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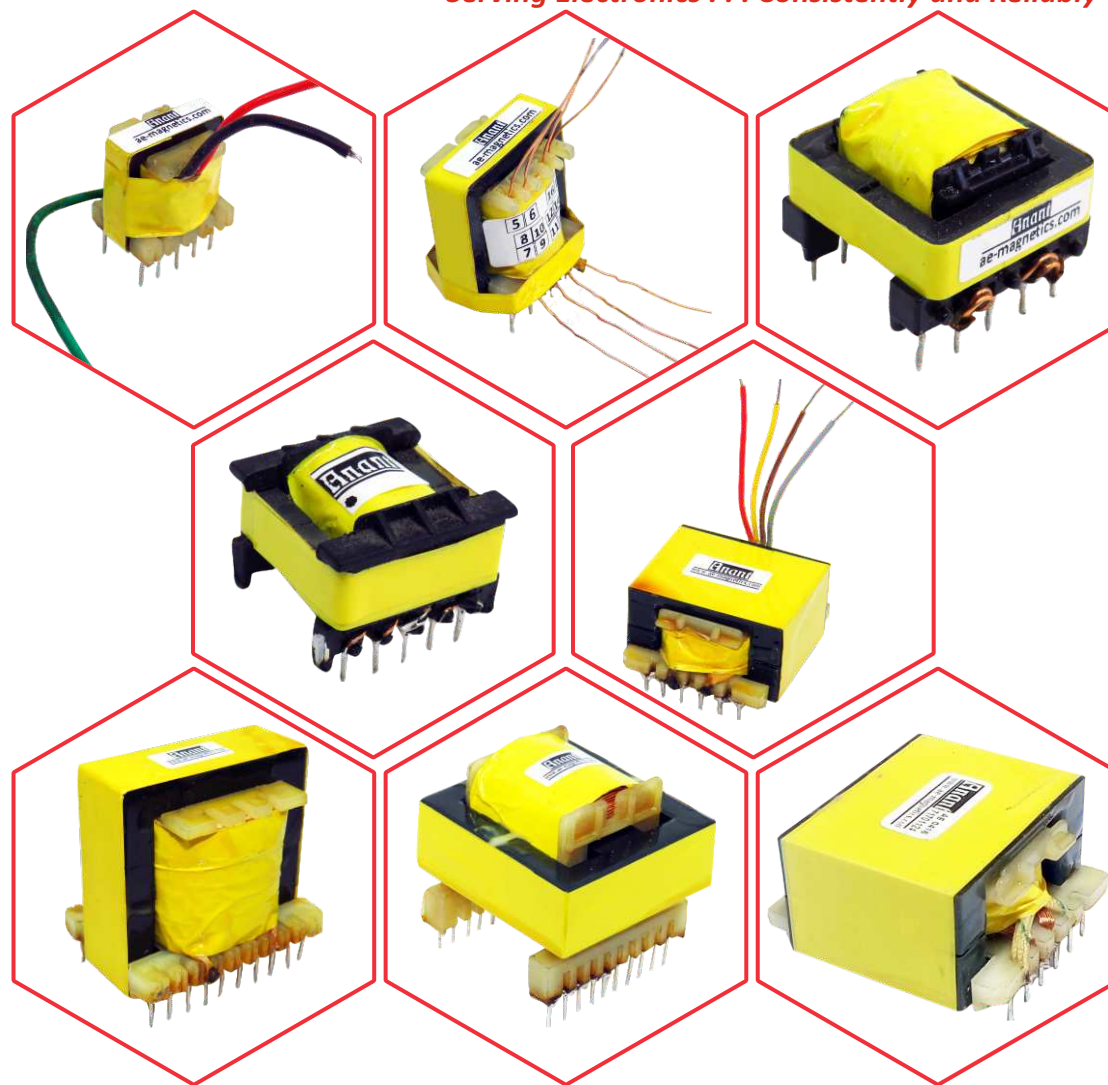
## TRANSFORMERS

### HIGH FREQUENCY LOW VOLTAGE

The industry drive toward smaller, lighter and more efficient electronics has led to the development of the Switch Mode Power Supply (SMPS). At **ANANT**, we manufacture High Frequency Low Voltage Transformers for OEMs as per their requirements.

The core geometries being used by us in our production includes:

1. **E/EF CORES** - E/EF13, E/EF16, E/EF19, E/EF20, E/EF2506, E/EF2507, E/EF28, E/EF30, E/EF4215, E/EF4220, E/EF5521, E/EF6527, E/EF80
2. **EI CORES** - EI30, EI40
3. **ETD CORES** - ETD29, ETD34, ETD39, ETD44, ETD49, ETD54
4. **EFD CORES** - EFD15, EFD20, EFD25, EFD30
5. **EPC CORES** - EPC13, EPC17
6. **EP CORES** - EP13, EP17
7. **PQ CORES** - PQ2016, PQ2020, PQ2620, PQ2625, PQ3220, PQ3225, PQ3925
8. **RM CORES** - RM6, RM8, RM10
9. **POT CORES** - POT1408, POT1811, POT2213, POT3622



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## TRANSFORMERS

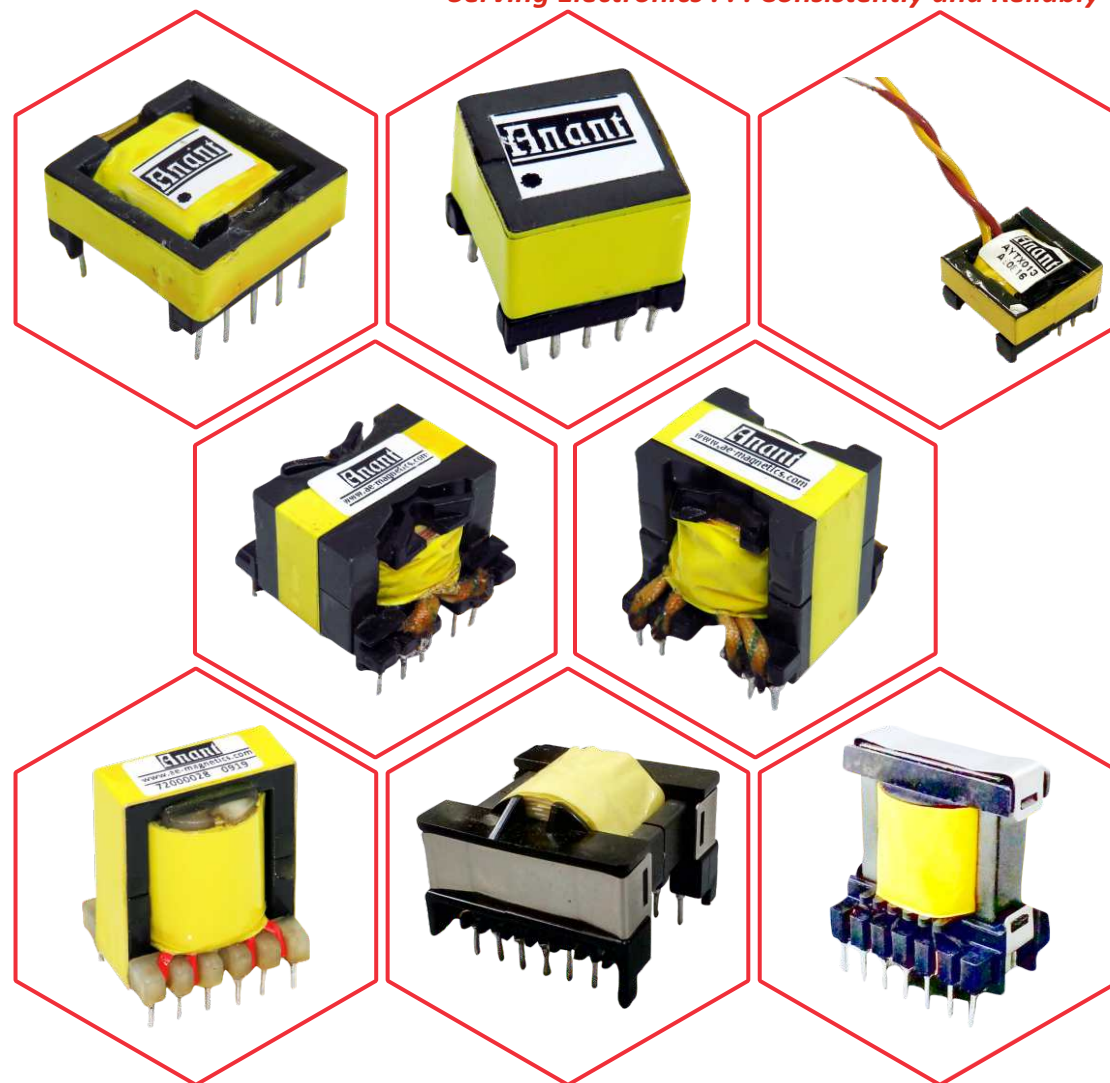
### HIGH FREQUENCY LOW VOLTAGE

The different types of transformers being manufactured at our manufacturing unit includes:

1. Audio Transformers
2. Isolation Transformers
3. Current Transformers
4. Voltage Sensing Transformers
5. Pulse Transformers
6. Impedance Matching Transformers
7. Signal Distribution Transformers
8. Gate Driver Transformers
9. Transformers for Switch Mode Power Supplies

Configuration of Transformers:

1. Pin Type for PCB Mount
2. SMD Mount
3. Clamp Mount
4. Epoxy Potted / Encapsulated



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## TRANSFORMERS

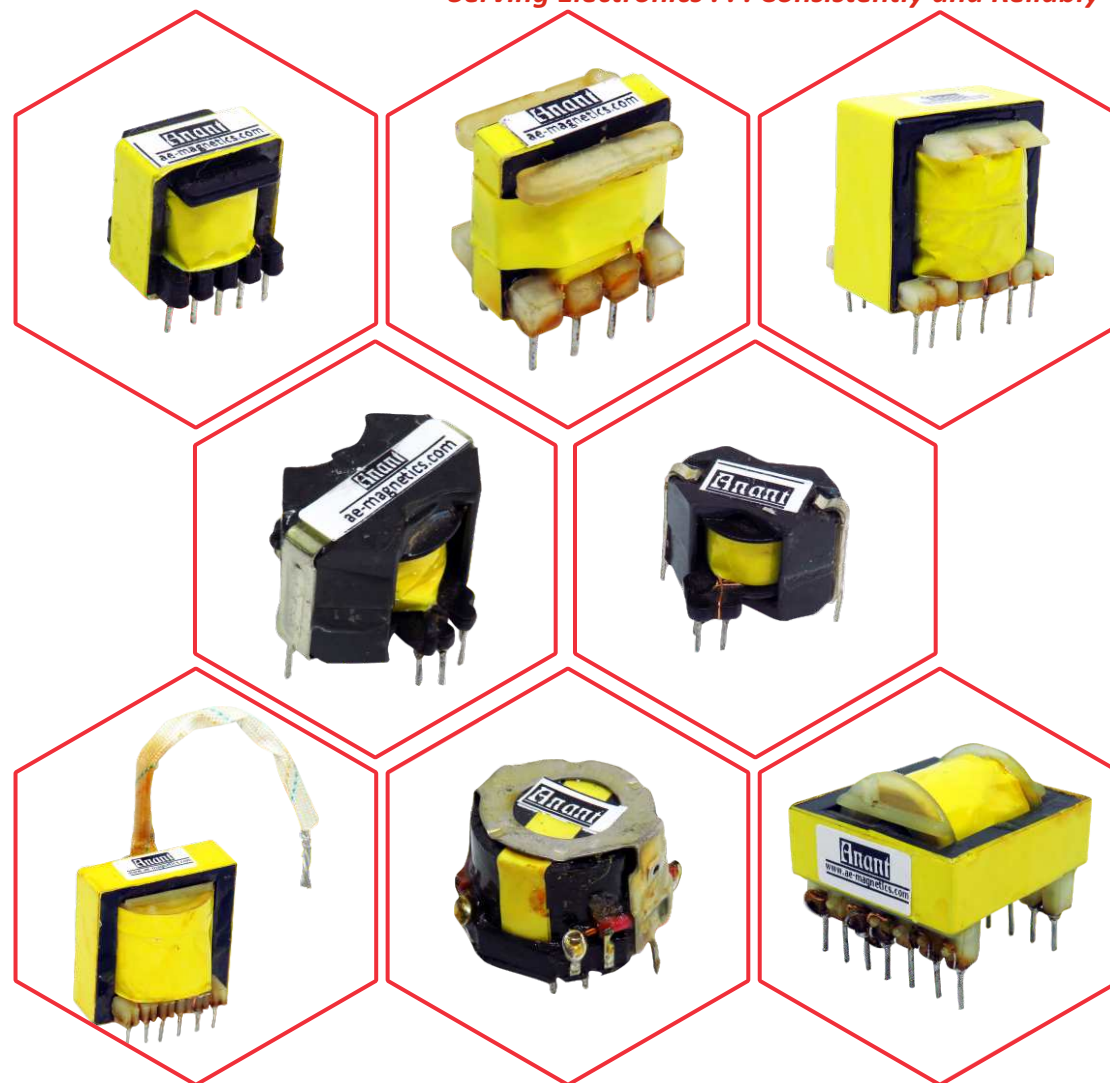
### HIGH FREQUENCY LOW VOLTAGE

The ferrite cores used in production are of good quality reputed make only. We use low loss ferrite cores adhering to quality standards of N87 of TDK make otherwise unless specified by the customer.

Typical material characteristics are as follows:

1. Winding Wire Size : 0.04mm - 2.64mm
2. Winding Wires : Enamelled Copper Wires, TIW Copper Wires, Litz Copper Wires, Flat/Rectangular Wires, Copper Foils/Sheets
3. Thermal Class : 105°C - 200°C
4. Bobbin Materials : Zytel, glass-filled nylon, Rynite, LCP, Derlin, PEK or other custom materials as needed.
5. Insulation : Class B, F, H

All raw materials used in manufacturing are RoHS approved.



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## TRANSFORMERS

### HIGH FREQUENCY HIGH VOLTAGE

At ANANT, we manufacture High Frequency High Voltage Transformers to handle up to 50kV safely and accurately.

#### TYPICAL CHARRACTERISTICS ::

1. Able to withstand the harshest environmental conditions with a tough, sealed, waterproof encasement.
2. Protects the transformer from dirt, dust, moisture, and any other containments.
3. High thermal conductivity.
4. Extremely reliable electrical insulation.
5. Reduction of corona possibility in high surge situations.

#### APPLICATIONS ::

Anant's High frequency High Voltage Transformers are often found in high level applications. Some of them are as follows:

1. X-Ray Equipment
2. Ozone equipment
3. Electric field therapy equipment
4. Radars for Defence Sector



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## TRANSFORMERS

### LOW FREQUENCY LOW VOLTAGE

At **ANANT**, we manufacture High Frequency Low Voltage Transformers / Control Transformers for OEMs as per their requirements.

#### TYPICAL CHARACTERISTICS ::

- |                              |   |
|------------------------------|---|
| 1. Copper Windings           | : Standard on all units   |
| 2. Insulation Class          | : Class B / Class F / Class H   |
| 3. Versatile                 | : Custom manufactured as per customers' requirements  |
| 4. Silicon Steel Laminations | : Virgin material grades M-4, M-5, M-6, M-43, M-45 - CRGO / CRNGO as per customers' requirements / application. |
| 5. Connection                | : Single Phase / Three Phase  |
| 6. Mounting                  | : Pin Type for PCB Mount / Clamp Mount  |



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## TRANSFORMERS / INDUCTORS HIGH FREQUENCY LOW VOLTAGE SMD MOUNT

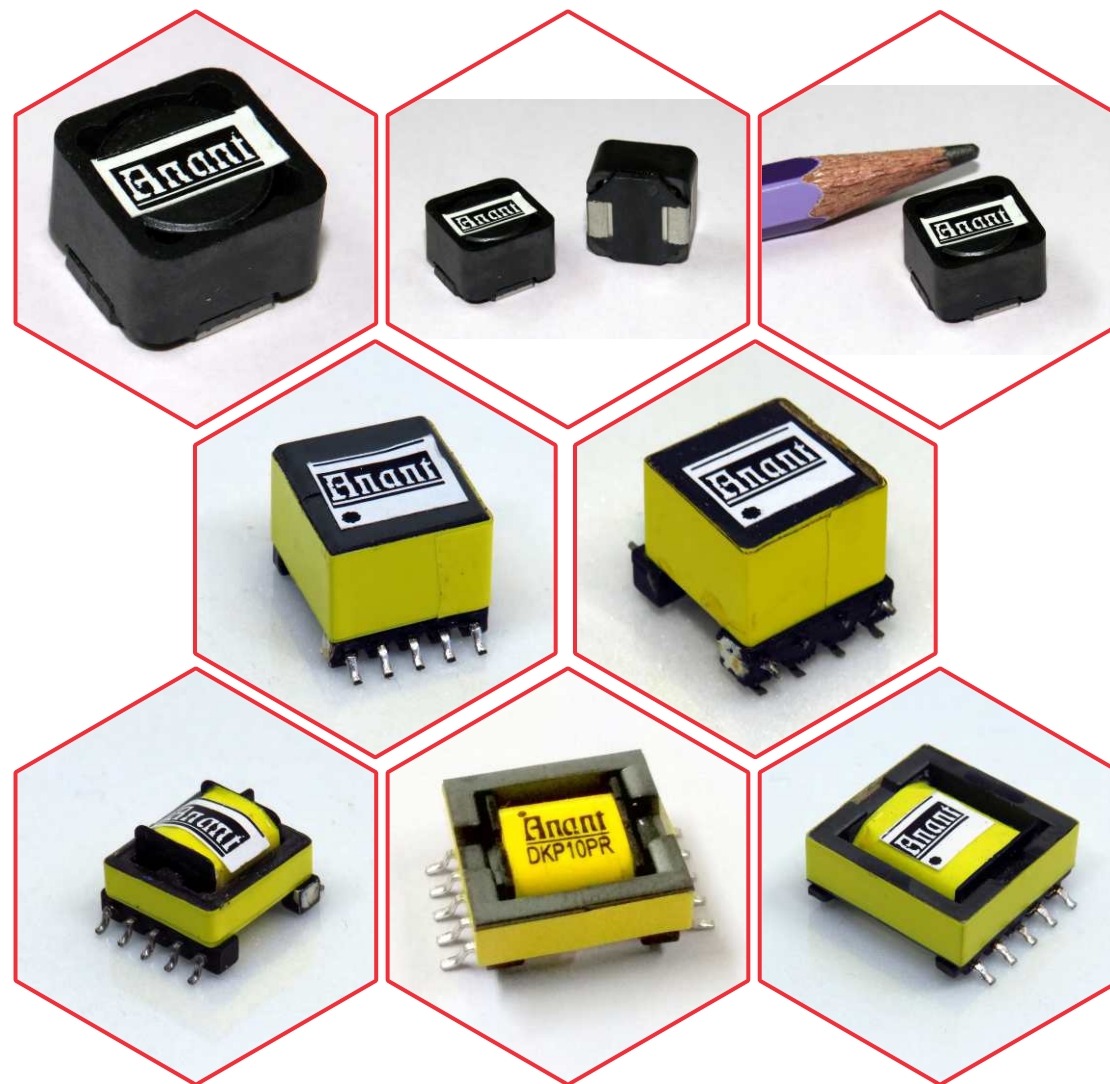
At ANANT, we manufacture High Frequency Low Voltage Transformers and Inductors in SMD mount package.

The core geometries being used by us in our production includes:

1. **E/EF CORES** - E/EF13
2. **EFD CORES** - EFD15, EFD20
3. **EP CORES** - EP13

Besides, we have recently commenced production of SMD mount shielded inductors. The main feature of these inductors is low DCR and excellent current handling. The footprint dimensions are 12.3 x 12.3mm and 6mm high.

All these components are RoHS and UL compliant. All raw materials used in these are RoHS and UL approved.



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## COILS / INDUCTORS

### HIGH FREQUENCY LOW VOLTAGE

At ANANT, we manufacture various kinds of Custom-Designed Inductors. The core geometries includes Drum Cores, Rod Cores, Balun Cores, Pot Cores, E/EF Cores and Toroid Cores.

#### FEATURES ::

1. Low cost, high current power inductors.
2. Flame retardant UL tube wrap to protect the winding.
3. Core material: Ferrite / Iron Dust / Sendust / Amorphous
4. Ideal for filtering or energy storage inductors.

#### APPLICATIONS ::

1. Switch Mode Power Supplies (SMPS)
2. DC-DC Converters
3. LED Lighting
4. Tele-communication
5. Audio & Video antenna filters

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## TRANSFORMERS COMMON / DIFFERENTIAL MODE CHOKES

At ANANT, we manufacture various kinds of Custom-Designed Common / Differential Mode Chokes. The windings are usually isolated thereby offering insulation up to 4kV between windings and windings to core.

The core geometries being used by us in our production includes:

1. **E/EF CORES** - E/EF13, E/EF16, E/EF20, E/EF2506, E/EF2507
2. **UU CORES** - UU9.8, UU10.5, UU16
3. **ET CORES** - ET24, ET28, ET35
4. **UT CORES** - UT20
5. **TOROID CORES** - T-6, T-10, T-13, T-16, T-18, T-20, T-25, T-31, T-47

All these components are RoHS compliant. All raw materials used in these are RoHS approved. UL compliant products are also available on request.



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