

Planar E, I Cores

Planar E cores are offered in all of the IEC standard sizes, as well as a number of other sizes. The leg length and window height (B and D dimensions) are adjustable for specific

applications without new tooling. This permits the designer to adjust the final core specification to exactly accommodate the planar conductor stack height, with no wasted space. I-cores are also offered standard, permitting further flexibility in design. E-I planar combinations are useful to allow practical face bonding in high volume assembly, and for making gapped inductor cores where fringing losses must be carefully considered due to the planar construction. Differential inductors and DCDC, ACDC converter are typical applications for planar cores.

Clips are available in many cases, which is especially useful for prototyping.

ER Cores

ER cores are a cross between E cores and pot cores. The round centerpost of the ER core offers minimal winding resistance. In addition, they offer better space utilization and shielding than with rectangular center leg planar cores. When compared with non-planar cores, ERs offer minimal height and better thermal performance. Typical applications of ER cores include differential inductors and power transformers.



E/I combinations facilitate economical assembly. Surface mount accessories are available.

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