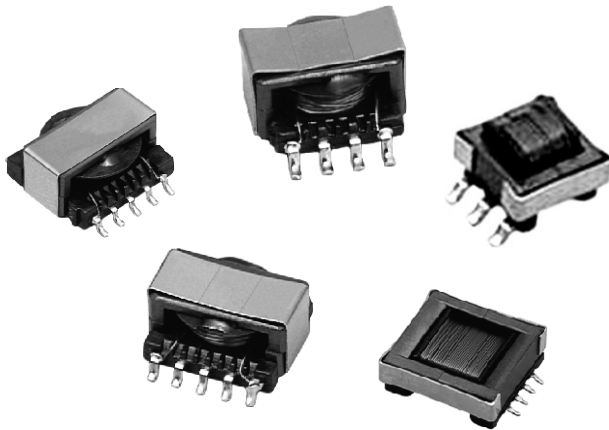


Surface Mount Transformers and Inductors



FEATURES

- Totally integrated manufacturing
- Pick and place compatible
- Statistical process controlled
- Tape packaging per EIA-481
- Low cost
- Qualification data available
- Short lead times
- Wide inductance ranges available
- High DC current handling capabilities
- Low DCR vs inductance
- Hot tin dipped terminations
- Compatible with reflow solder processes
- Industry standard footprints
- UL Class B materials (+ 130 °C)
- Ferrite cores in a power material
- Resistant to solvents
- Custom designs available (transformers or inductors).
Tighter tolerances may also be available

APPLICATIONS

Circuit: Signal conditioning, filtering, DC/DC converters, audio circuits and line matching circuits.

Equipment: Notebook computers, pagers, global positioning equipment, communications and audio.

PARTIAL LISTING OF AVAILABLE GEOMETRIES

| OUTPUT POWER ¹⁾ | CORE GEOMETRY | VISHAY DALE PART NUMBER | OUTSIDE DIMENSIONS (inches) | | |
|----------------------------|---------------|-------------------------|-----------------------------|-------|--------|
| | | | LENGTH | WIDTH | HEIGHT |
| 2.5 | EE5 | 3325 ²⁾ | 0.323 | 0.256 | 0.205 |
| 6.2 | ER9.5 | 4841 ²⁾ | 0.492 | 0.421 | 0.248 |
| 9.4 | ER11/5 | 5047 ²⁾ | 0.525 | 0.472 | 0.248 |
| 11.2 | EFD10 | 4658 | 0.737 | 0.47 | 0.212 |
| 12.5 | EP7 | 5036 | 0.530 | 0.4 | 0.34 |
| 20.5 | EFD12 | 6454 | 0.796 | 0.549 | 0.256 |
| 24.1 | EPC13 | 8070 | 0.843 | 0.6 | 0.330 |
| 27.7 | EEM12.7 | 6855 ²⁾ | 0.69 | 0.555 | 0.22 |
| 28.7 | EP10 | 5740 | 0.585 | 0.55 | 0.43 |
| 35.6 | ER14.5 | 6562 ²⁾ | 0.695 | 0.606 | 0.335 |
| 38.4 | EFD15 | 7466 | 0.894 | 0.663 | 0.295 |
| 47.1 | EP13 | 6750 | 0.685 | 0.625 | 0.5 |
| 55.5 | EPC17 | 9080 | 0.941 | 0.76 | 0.394 |
| 70 | EPC19 | 9887 | 1.02 | 0.866 | 0.382 |
| 94 | EFD20 | 9385 | 1.102 | 0.9 | 0.4 |
| 175 | EPC25B | 9999 | 1.142 | 1.06 | 0.4 |
| 204 | EFD25 | 9890 | 1.24 | 1.1 | 0.5 |
| 297 | EFD30 | 9990 | 1.65 | 1.3 | 0.6 |

Notes

1. 2300 Perm, 100 kHz, 20 °C, 50 °C temperature rise.
2. Standard products available (see following pages for details).