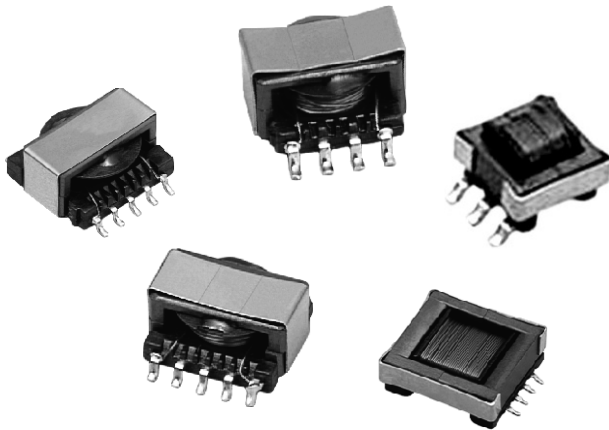


## Surface Mount Transformers and Inductors



### 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 <sup>1)</sup>	CORE GEOMETRY	VISHAY DALE PART NUMBER	OUTSIDE DIMENSIONS (inches)		
			LENGTH	WIDTH	HEIGHT
2.5	EE5	3325 <sup>2)</sup>	0.323	0.256	0.205
6.2	ER9.5	4841 <sup>2)</sup>	0.492	0.421	0.248
9.4	ER11/5	5047 <sup>2)</sup>	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 <sup>2)</sup>	0.69	0.555	0.22
28.7	EP10	5740	0.585	0.55	0.43
35.6	ER14.5	6562 <sup>2)</sup>	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).