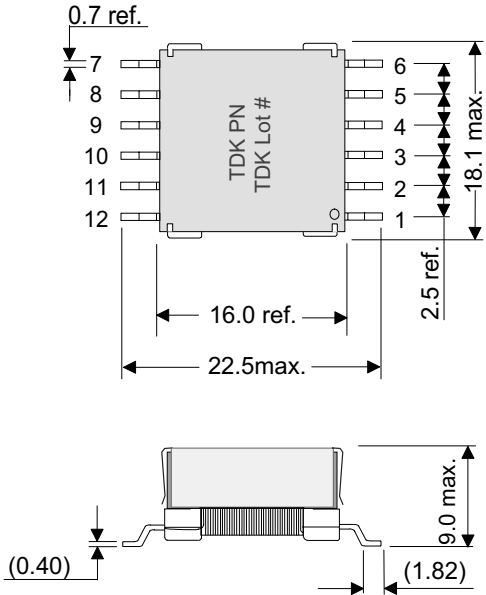
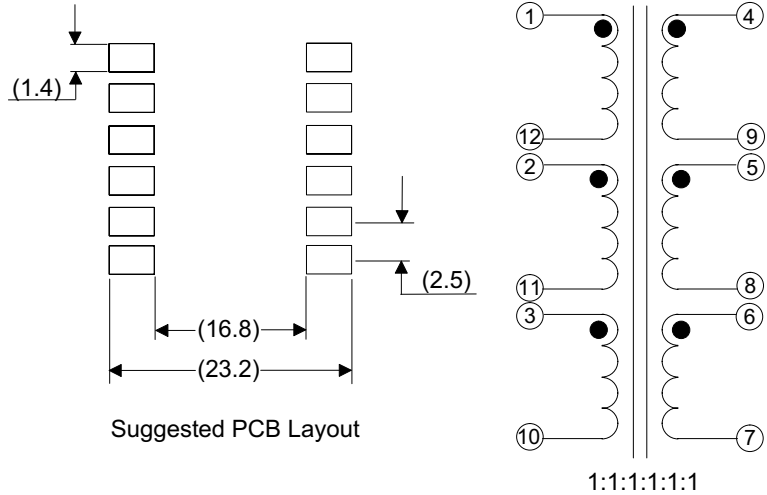


# TDK SMD MULTI WINDING TRANSFORMER PCA15EFD SERIES

## Mechanical



## Schematic



TDK Part Number	Inductance uH @10KHz, 0.1Vrms		*1 Idc 1 Amps (Typ.)		*2 Idc 2 Amps (Typ.)		DCR m Ohms (±15%)		ET Constant V-µS (Max.)		Leakage Inductance nH
	*3 Parallel	*4 Series	*3 Parallel	*4 Series	*3 Parallel	*4 Series	*3 Parallel	*4 Series	*3 Parallel	*4 Series	(Typ.) Single
PCA15EFD-U01S003	169.0±30%	6.1mH±30%	0.1	0.02	6.4	1.07	12.9	466	47.4	284	117
PCA15EFD-U02S002	81.0±30%	2.9mH±30%	0.2	0.04	8.0	1.34	8.9	323	32.8	197	98
PCA15EFD-U03S003	23.3±20%	840±20%	2.8	0.46	6.4	1.07	12.9	466	47.4	284	117
PCA15EFD-U04S002	11.2±20%	402±20%	3.8	0.64	8.0	1.34	8.9	323	32.8	197	98
PCA15EFD-U05S003	14.2±20%	511±20%	4.3	0.72	6.4	1.07	12.9	466	47.4	284	117
PCA15EFD-U06S002	6.8±20%	245±20%	7.1	1.19	8.0	1.34	8.9	323	32.8	197	98
PCA15EFD-U07S003	9.3±20%	335±20%	7.6	1.27	6.4	1.07	12.9	466	47.4	284	117
PCA15EFD-U08S002	4.5±20%	160±20%	11.3	1.88	8.0	1.34	8.9	323	32.8	197	98
PCA15EFD-U09S003	7.9±20%	286±20%	9.1	1.51	6.4	1.07	12.9	466	47.4	284	117
PCA15EFD-U10S002	3.8±20%	137±20%	13.4	2.23	8.0	1.34	8.9	323	32.8	197	98

## Electrical Specifications @ 23 degrees C

- \*1 Idc 1 = Depend on inductance saturation . (-30% reduction from nominal L value)
- \*2 Idc 2 = Depend on self temperature rise. (40 degC typ at specified Idc2).
- \*3 Parallel 6 coils connected in parallel.
- \*4 Series 6 coils connected in series.
- Hi- Pot between each individual coil to the other five 500 Vac, 60s, 2mA.
- Operating Temperature -40 degC to + 85 degC.

## RoHS Compliant :

Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used except for exempted applications.



TDK USA Corporation / Component Engineering Laboratory

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