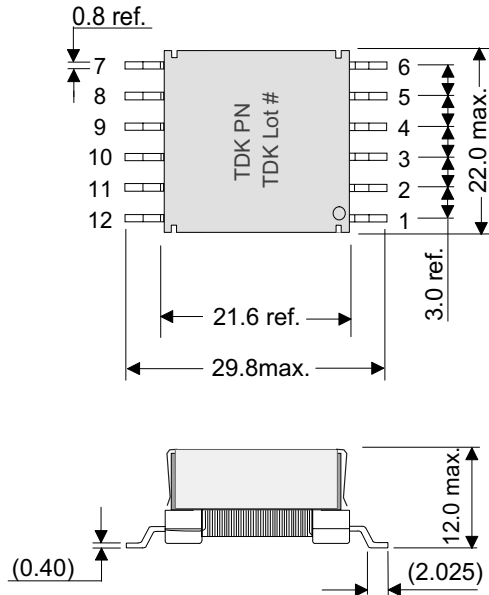
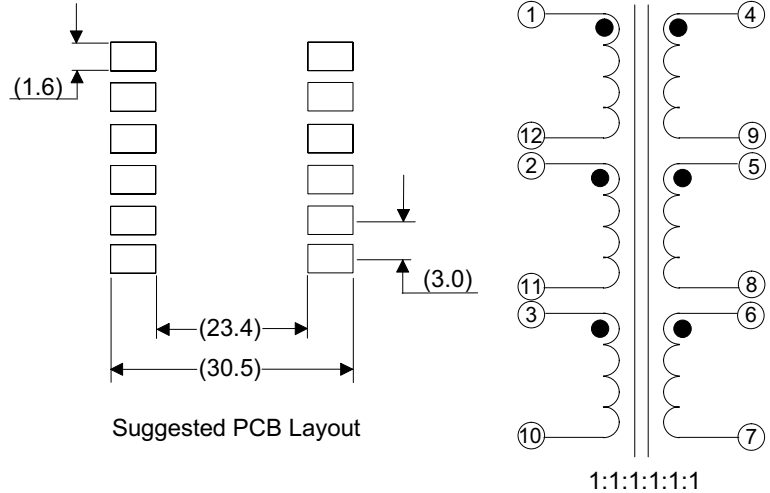


# TDK SMD MULTI WINDING TRANSFORMER PCA20EFD SERIES

## Mechanical



## Schematic



TDK Part Number	Inductance μH @ 10KHz, 0.1 Vrms.		*1 Idc 1 Amps (Typ.)		*2 Idc 2 Amps (Typ.)		DCR m Ohms (±15%)		ET Constant V-μS (Max.)		Leakage Inductance nH (Typ.) Single
	*3 Parallel	*4 Series	*3 Parallel	*4 Series	*3 Parallel	*4 Series	*3 Parallel	*4 Series	*3 Parallel	*4 Series	
PCA20EFD-U01S003	197.3±30%	7.1mH±30%	0.2	0.03	9.6	1.6	7.9	285	102	610	160
PCA20EFD-U02S002	87.7±30%	3.2mH±30%	0.3	0.06	12.0	2.0	5.2	188	68	407	109
PCA20EFD-U03S003	22.3±20%	804±20%	6.7	1.11	9.6	1.6	7.9	285	102	610	160
PCA20EFD-U04S002	9.9±20%	357±20%	8.6	1.43	12.0	2.0	5.2	188	68	407	109
PCA20EFD-U05S003	12.0±20%	430±20%	10.9	1.82	9.6	1.6	7.9	285	102	610	160
PCA20EFD-U06S002	5.3±20%	191±20%	16.1	2.68	12.0	2.0	5.2	188	68	407	109
PCA20EFD-U07S003	9.6±20%	347±20%	13.3	2.21	9.6	1.6	7.9	285	102	610	160
PCA20EFD-U08S002	4.3±20%	154±20%	20.5	3.42	12.0	2.0	5.2	188	68	407	109
PCA20EFD-U09S003	7.6±20%	275±20%	17.2	2.86	9.6	1.6	7.9	285	102	610	160
PCA20EFD-U10S002	3.4±20%	122±20%	26.2	4.36	12.0	2.0	5.2	188	68	407	109

### 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. (40degC 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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