

# PM-DSxxxx

## Dual Winding Shield Core

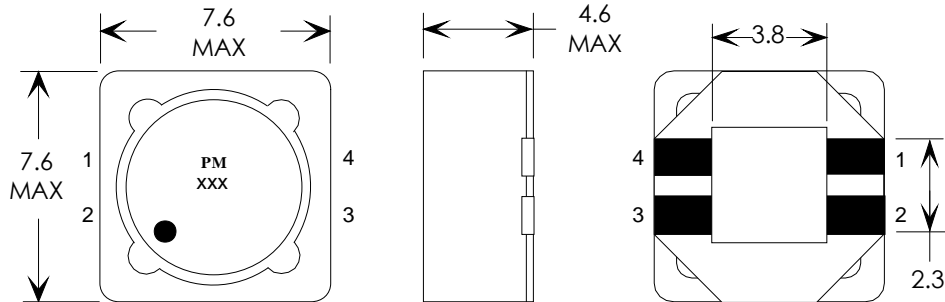
- \* High Current Ratings
- \* Small size & Lowest cost.
- \* Operating Temp -40 to +130 °C.
- \* Storage Temp -40 to +130 °C.

- \* 200 Vac Isolation between windings.
- \* Meet RoHS Solder Reflow at 260C.
- \* Turns Ratio 1:1.

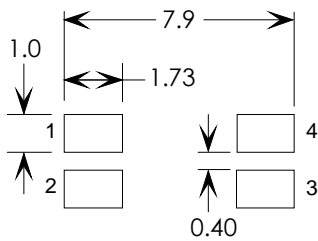
### ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE -40°C TO +130°C

Part Number	Marking number	Parallel Windings Ratings						Series Windings Ratings				
		Spec Ind μH	OCL @10KHz μH±20%	I <sub>rms</sub> A	I <sub>sat</sub> Apk	DCR Ω typ.	Volt μ-Sec	OCL @10KHz μH±20%	I <sub>rms</sub> A	I <sub>sat</sub> Apk	DCR Ω typ.	Volt μ-Sec
PM-DS003	003	0.33	0.29	6.2	18.4	.0074	1.71	1.16	3.10	9.18	0.03	3.42
PM-DS010	010	1.00	0.95	5.3	10.2	0.01	3.08	3.80	2.66	5.10	0.04	6.16
PM-DS015	015	1.50	1.42	4.96	8.35	0.012	3.76	5.60	2.48	4.17	0.05	7.52
PM-DS022	022	2.20	1.99	4.66	7.06	0.013	4.45	7.96	2.33	3.53	0.05	8.90
PM-DS033	033	3.30	3.40	3.94	5.40	0.018	5.81	13.60	1.97	2.70	0.07	11.6
PM-DS047	047	4.70	5.18	3.34	4.37	0.025	7.18	20.72	1.67	2.19	0.102	14.4
PM-DS068	068	6.80	7.34	2.60	3.67	0.042	8.55	29.36	1.30	1.84	0.167	17.1
PM-DS082	082	8.20	8.57	2.53	3.40	0.044	9.23	34.28	1.27	1.70	0.177	18.5
PM-DS100	100	10.0	9.88	2.41	3.17	0.049	9.92	93.52	1.20	1.58	0.196	19.8
PM-DS150	150	15.0	16.1	2.11	2.48	0.064	12.7	64.4	1.05	1.24	0.255	25.4
PM-DS220	220	22.0	21.8	1.75	2.13	0.093	14.7	87.2	0.87	1.07	0.371	29.4
PM-DS330	330	33.0	33.0	1.41	1.73	0.143	18.1	132.0	0.70	0.87	0.575	36.2
PM-DS470	470	47.0	49.6	1.15	1.41	0.216	22.2	198.4	0.57	0.71	0.866	44.4
PM-DS680	680	68.0	69.67	1.03	1.19	0.265	26.3	278.7	0.52	0.60	1.06	52.6
PM-DS820	820	82.0	80.92	0.91	1.11	0.345	28.4	323.7	0.45	0.55	1.38	56.8
PM-DS101	101	100	101.6	0.86	0.99	0.383	31.8	406.4	0.43	0.49	1.53	63.6
PM-DS151	151	150	150	0.69	0.81	0.591	38.6	600.0	0.35	0.41	2.37	77.2
PM-DS221	221	220	227	0.56	0.66	0.907	47.5	908.0	0.28	0.33	3.63	95
PM-DS331	331	330	336	0.45	0.54	1.41	57.8	1344	0.22	0.27	5.66	116
PM-DS471	471	470	465.3	0.40	0.46	1.74	68.1	1861	0.20	0.23	6.97	136
PM-DS681	681	680	671.2	0.38	0.38	2.58	81.7	2685	0.17	0.19	10.3	163
PM-DS821	821	820	812.7	0.31	0.34	2.93	89.9	3251	0.16	0.17	11.7	180
PM-DS102	102	1000	1009	0.27	0.31	3.89	100	4036	0.14	0.16	15.6	200

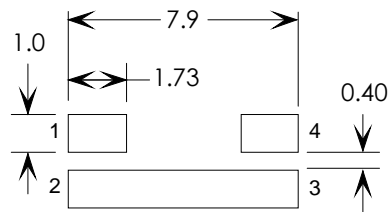
### DIMENSIONS mm



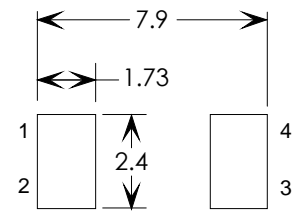
### RECOMENDED PCB LAYOUT



Dual Mode



Series Mode



Parallel Mode

