

# Panel Mounted Pi Circuit Filters

DPT

### Ordering Information

e.g. **DPT643H**

Blank - UNF thread  
M - Metric thread

Blank - Standard thread  
L - Long thread

Blank - Standard tag  
P - Pin

Blank - No special conditioning  
Bu - Standard burn in  
Bx - Burn in to cust. req.

Blank - Wavy washer & nut  
T - Toothed washer & nut  
N - No hardware

Blank - Tin finish  
G - Gold  
S - Silver

### Circuit Diagram

### Environmental Classification

55/125/56 Hermetic

### Case Dimensions

All dimensions maximum unless otherwise stated, in millimetres.

Tag Style

Thread

Pin Style

### Voltage Rating

DPT# _ _ _ _			
#	-55°C to +85°C V d.c.	-55°C to +125°C V d.c.	-55°C to +125°C V a.c. 400 Hz
3	80	70	50
4	100	87	62
5	150	130	90
6	200	175	125
7	300	260	185
8	450	400	280
9	600	530	375

DPT _ # # _ _								Max Panel Thickness	
# #	D1	L1	Tag L3	Pin L3	Mounting Style	Std. Thread	Long Thread		
31	9.78	14.7	18.9	27.2	B or C	1.5	3.0		
33	9.78	16.3	20.4	28.7	B or C	1.5	3.0		
43	17.53	24.85	30.1	36.8	B or C	3.0	—		

D1 Case Dia.	Thread		F max	L2 max.		Tag L4		Pin L4		Tag Hole	Pin Dia
	UNF 2A	Metric		Std.	Long	Std.	Long	Std.	Long		
9.78	1/4"-28	M6x0.75	5.08	4.83	7.92	8.9	12.0	17.2	20.3	1.27x1.78	1.55
17.53	5/16"-24	M8x1.0	6.58	8.0	—	14	—	20	—	1.45x3.0	2.15

## Characteristics

Part Number	Rated Current (Amps)	Typical Weight (g)	Nominal Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) (50Ω system)						
						30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DPT333G	0.5	8.5	2.8	0.6	50	34	66	76	80	80	80	80
DPT333H	1.0	8.5	2.8	0.25	50	22	58	68	80	80	80	80
DPT333K	3.0	8.5	2.8	0.06	50	-	40	50	50	65	80	80
DPT333M	5.0	8.5	2.8	0.015	50	-	14	33	60	80	80	80
DPT333N	10.0	8.5	2.8	0.005	50	21	30	30	40	50	68	80
DPT431B	0.1	8.5	1.4	1.7	250	34	67	72	80	80	80	80
DPT431E	0.3	8.5	1.4	0.75	250	29	60	70	80	80	80	80
DPT431G	0.5	8.5	1.4	0.36	250	21	54	67	78	80	80	80
DPT431H	1.0	8.5	1.4	0.14	250	-	39	56	69	80	80	80
DPT431J	2.0	8.5	1.4	0.07	250	-	31	45	63	80	80	80
DPT431M	5.0	8.5	1.4	0.015	250	-	-	-	50	80	80	80
DPT433G	0.5	8.5	1.4	0.6	250	23	57	65	80	80	80	80
DPT433H	1.0	8.5	1.4	0.25	250	3	47	55	75	80	80	80
DPT433K	3.0	8.5	1.4	0.06	250	10	25	40	58	80	80	80

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						30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DPT433M	5.0	8.5	1.4	0.015	250	14	-	-	44	75	80	80
DPT433N	10.0	8.5	1.4	0.005	250	15	22	25	20	44	62	80
DPT533G	0.5	8.5	0.66	0.6	500	6	39	50	68	80	80	80
DPT533H	1.0	8.5	0.66	0.25	500	-	28	40	59	80	80	80
DPT533K	3.0	8.5	0.66	0.06	500	-	5	20	41	75	80	80
DPT533M	5.0	8.5	0.66	0.015	500	-	-	-	26	63	80	80
DPT533N	10.0	8.5	0.66	0.005	500	8	12	18	27	38	58	80
DPT633G	0.5	8.5	0.2	0.6	500	-	21	35	49	80	80	80
DPT633H	1.0	8.5	0.2	0.25	500	-	5	17	39	70	80	80
DPT633K	3.0	8.5	0.2	0.06	500	-	-	-	18	53	80	80
DPT633M	5.0	8.5	0.2	0.015	500	-	-	-	-	43	80	80
DPT633N	10.0	8.5	0.2	0.005	500	-	9	12	18	28	45	75
DPT733G	0.5	8.5	0.12	0.6	500	-	7	15	25	54	80	80
DPT733H	1.0	8.5	0.12	0.25	500	-	-	-	13	45	80	80
DPT733K	3.0	8.5	0.12	0.06	500	-	-	-	-	27	80	80
DPT733M	5.0	8.5	0.12	0.015	500	-	-	-	-	10	70	80
DPT733N	10.0	8.5	0.12	0.005	500	-	-	-	5	14	34	80
DPT833G	0.5	8.5	0.04	2.0	500	-	5	11	26	57	80	80
DPT833H	1.0	8.5	0.04	0.5	500	-	-	-	16	46	80	80
DPT833K	3.0	8.5	0.04	0.05	500	-	-	-	-	29	76	80
DPT833M	5.0	8.5	0.04	0.02	500	-	-	-	-	13	65	80
DPT833N	10.0	8.5	0.04	0.005	500	-	-	-	-	12	51	80
DPT933G	0.5	8.5	0.02	2.0	500	-	3	8	20	48	79	80
DPT933H	1.0	8.5	0.02	0.5	500	-	-	-	9	38	80	80
DPT933K	3.0	8.5	0.02	0.05	500	-	-	-	-	30	78	80
DPT933M	5.0	8.5	0.02	0.02	500	-	-	-	-	5	57	80
DPT933N	10.0	8.5	0.02	0.005	500	-	-	-	-	8	43	80
DPT933G2	0.5	8.5	0.01	2.0	1000	-	3	6	13	33	62	80
DPT933H2	1.0	8.5	0.01	0.5	1000	-	-	-	4	22	66	80
DPT933K2	3.0	8.5	0.01	0.05	1000	-	-	-	-	4	58	80
DPT933M2	5.0	8.5	0.01	0.02	1000	-	-	-	-	-	46	80
DPT933N2	10.0	8.5	0.01	0.005	1000	-	-	-	-	-	31	80
DPT343G	0.5	21	3.0	0.3	100	35	70	70	70	70	70	70
DPT343H	1.0	21	3.0	0.21	100	33	65	70	70	70	70	70
DPT343K	3.0	21	3.0	0.03	100	-	45	55	65	70	70	70
DPT343M	5.0	21	3.0	0.03	100	-	40	52	68	70	70	70
DPT343N	10.0	21	3.0	0.005	100	-	12	20	50	70	70	70
DPT543G	0.5	21	2.1	0.3	150	34	65	75	80	80	80	80
DPT543H	1.0	21	2.1	0.21	150	27	60	69	80	80	80	80
DPT543H1	1.0	21	2.8	0.21	100	35	68	-	80	80	80	80
DPT543K	3.0	21	2.1	0.03	150	12	36	48	66	80	80	80
DPT543M	5.0	21	2.1	0.02	260	9	12	35	57	80	80	80
DPT543M1	5.0	21	2.8	0.007	100	-	26	-	63	80	80	80
DPT543N	10.0	21	2.1	0.005	150	18	21	17	36	70	80	80
DPT643G	0.5	21	0.9	0.3	250	18	51	61	78	80	80	80
DPT643H	1.0	21	0.9	0.21	250	12	48	57	76	80	80	80
DPT643K	3.0	21	0.9	0.03	250	7	23	36	55	80	80	80
DPT643M	5.0	21	0.9	0.02	250	-	8	17	43	73	80	80
DPT643N	10.0	21	1.5	0.005	100	14	15	17	33	68	70	70
DPT743G	0.5	21	0.5	0.3	500	8	41	52	68	80	80	80
DPT743H	1.0	21	0.5	0.21	500	-	38	49	67	70	70	70
DPT743K	3.0	21	0.5	0.03	500	4	6	20	42	72	80	80
DPT743M	5.0	21	0.5	0.02	500	-	-	6	32	65	70	70
DPT743N	10.0	21	0.5	0.005	500	5	12	14	12	46	80	80
DPT843G	0.5	22	0.21	0.3	1000	-	30	41	58	70	70	70
DPT843H	1.0	22	0.21	0.25	1000	-	27	38	56	80	80	80
DPT843H1	1.0	22	0.5	0.25	500	-	38	49	67	70	70	70
DPT843K	3.0	22	0.21	0.03	1000	-	-	6	27	60	70	70
DPT843M	5.0	22	0.21	0.01	1000	-	7	8	15	51	70	70

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DPT843N	10.0	22	0.21	0.005	1000	-	9	12	14	39	70	70
DPT943G	0.5	22	0.14	0.3	800	-	21	31	48	70	70	70
DPT943H	1.0	22	0.14	0.21	800	-	15	25	43	70	70	70
DPT943K	3.0	22	0.14	0.03	800	-	-	-	20	52	70	70
DPT943M	5.0	22	0.14	0.01	800	-	-	-	6	44	70	70
DPT943N	10.0	22	0.14	0.005	800	-	-	6	11	25	70	70