

Panel Mounted Feedthrough Capacitors

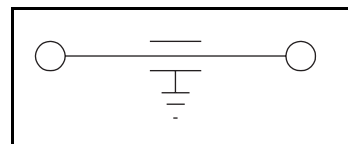
DCT

Ordering Information

e.g. **DCT728P**Blank - UNF thread
M - Metric threadBlank - Standard thread
L - Long threadBlank - Standard tag
P - PinBlank - No special conditioning
Bu - Standard burn in
Bx - Burn in to cust. req.Blank - Wavy washer & nut
T - Toothed washer & nut
N - No hardwareBlank - Tin finish
G - Gold
S - Silver *

* Not available on case sizes 12 – 17

Circuit Diagram



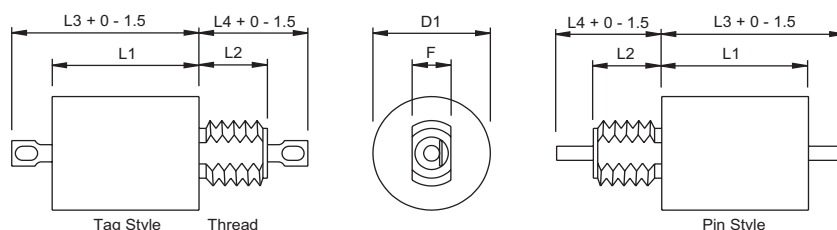
Environmental Classification 55/125/56 Hermetic

Voltage Rating

DCT# — — —			
#	-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
1	50	43	—
3	80	70	50
4	100	87	62
41	125	105	—
5	150	130	90
51	175	150	—
6	200	175	125
61	250	215	—
7	300	260	185
8	450	400	280
9	600	530	375

Case Dimensions

All dimensions maximum unless otherwise stated, in millimetres.



DCT # # —								Max Panel Thickness
# #	D1	L1	Tag L3	Pin L3	Mounting Style	Standard Thread	Long Thread	
12	6.35	5.7	9.7	15.5	B or C	1.5	3.0	
13	6.35	8.2	12.0	18.0	B or C	1.5	3.0	
14	6.35	10.7	14.5	20.5	B or C	1.5	3.0	
17	6.35	13.1	17.0	23.0	B or C	1.5	3.0	
26	9.78	6.0	10.1	18.4	B or C	1.5	3.0	
27	9.78	8.0	12.1	20.4	B or C	1.5	3.0	
28	9.78	10.8	14.9	23.2	B or C	1.5	3.0	
40	17.53	7.55	12.6	17.5	B or C	3.0	—	
41	17.53	12.35	17.4	24.3	B or C	3.0	—	
42	17.53	17.45	22.6	29.4	B or C	3.0	—	

D1 Case Dia.	Thread		F Max.	L2 Max.		Tag L4		Pin L4		Tag Hole Nom.	Pin Dia Nom.
	UNF 2A	Metric		Std.	Long	Std.	Long	Std.	Long		
6.35	8-32	—	3.21	4.83	—	8.64	—	15.0	—	1.27	1.7
9.78	1/4"-28	M6x0.75	5.08	4.85	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

Note: Pin style versions of case sizes 12, 13, 14 and 17 are available as resin filled styles. All dimensions remain as for hermetic units except Pin Dia. 0.8 mm. Replace case numbers as follows: 12 = 50; 13 = 51; 14 = 52; 17 = 53.

Characteristics

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (μF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) (50 Ω system)						
						30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DCT112N	10	1.5	0.15	0.004	1000	-	-	10	16	26	45	60
DCT113N	10	2.0	0.3	0.004	100	-	-	16	22	30	50	60
DCT114N	10	2.5	0.45	0.004	100	-	-	19	25	35	55	60
DCT117N	10	3.0	0.6	0.004	100	-	-	22	27	38	57	60
DCT4112N	10	1.5	0.039	0.004	1000	-	-	2	5	13	32	50

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (μF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) (50 Ω system)						
						30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DCT4113N	10	2.0	0.079	0.004	500	-	-	6	10	20	40	60
DCT4114N	10	2.5	0.11	0.004	300	-	-	8	13	23	40	60
DCT4117N	10	3.0	0.16	0.004	200	-	-	11	17	27	47	60
DCT5112N	10	1.5	0.028	0.004	1000	-	-	1	3	12	30	50
DCT5113N	10	2.0	0.057	0.004	500	-	-	3	7	16	33	50
DCT5114N	10	2.5	0.12	0.004	250	-	-	9	14	24	44	60
DCT5117N	10	3.0	0.11	0.004	200	-	-	8	13	23	40	60
DCT6112N	10	1.5	0.017	0.004	1000	-	-	-	1	7	24	40
DCT6113N	10	2.0	0.034	0.004	500	-	-	1	3	12	30	50
DCT6114N	10	2.5	0.051	0.004	300	-	-	2	6	15	33	55
DCT6117N	10	3.0	0.068	0.004	200	-	-	5	10	20	40	60
DCT326P	15	5.0	1.2	0.005	100	14	24	28	34	44	54	70
DCT328P	15	7.0	4.0	0.005	50	23	33	36	42	52	63	70
DCT426P	15	5.0	0.7	0.005	500	10	20	23	28	38	52	65
DCT428P	15	7.0	1.4	0.005	250	14	24	28	34	44	58	65
DCT526P	15	5.0	0.3	0.005	1000	4	13	16	22	32	48	65
DCT527P	15	5.0	0.3	0.005	1000	4	13	16	22	32	48	65
DCT528P	15	7.0	0.9	0.005	250	12	22	25	31	41	58	65
DCT626P	15	5.0	0.1	0.005	1000	-	5	8	13	23	38	60
DCT628P	15	7.0	0.3	0.005	250	4	12	16	21	31	47	60
DCT726P	15	5.0	0.06	0.005	1000	-	2	4	8	18	33	50
DCT726P1	15	5.0	0.1	0.005	1000	-	3	6	11	21	35	55
DCT728P	15	7.0	0.12	0.005	500	-	6	9	14	24	39	50
DCT826P	15	5.0	0.02	0.005	1000	-	-	-	-	9	26	50
DCT828P	15	7.0	0.04	0.005	500	-	-	-	6	15	30	50
DCT926P	15	5.0	0.01	0.005	1000	-	-	-	-	5	19	40
DCT926P1	15	5.0	0.008	0.005	1000	-	-	-	-	-	14	35
DCT928P	15	7.0	0.02	-	500	-	-	-	2	11	25	40
DCT340P	15	12.0	3.0	0.005	100	20	28	35	41	51	54	70
DCT540P	15	12.0	0.7	0.005	500	9	20	23	28	37	55	60
DCT541P	15	16.0	2.1	0.005	150	18	29	33	39	50	60	65
DCT640P	15	12.0	0.45	0.005	500	6	16	19	24	34	51	60
DCT641P	15	16.0	1.2	0.005	100	14	25	28	34	45	50	65
DCT740P	15	12.0	0.25	0.005	1000	2	10	13	18	27	45	65
DCT741P	15	16.0	0.75	0.005	250	9	19	23	28	37	54	65
DCT840P	15	12.0	0.12	0.005	1000	-	4	7	13	23	40	60
DCT841P	15	16.0	0.21	0.005	500	-	10	13	19	30	49	60
DCT940P	15	12.0	0.07	0.005	1200	-	-	-	7	17	36	60
DCT942P	15	20.0	0.21	0.005	400	-	7	10	16	26	42	60