

Miniature Threaded Pi Circuit Filters

FLT8

Ordering Information

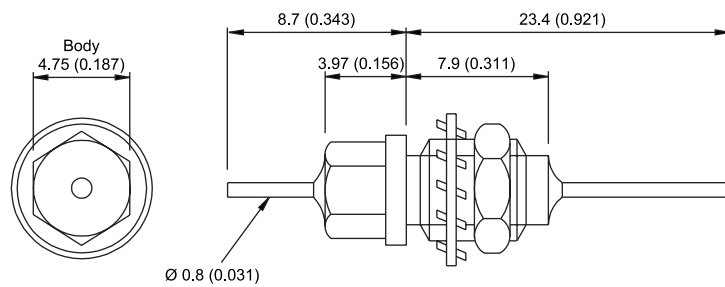
Please state Qualified Products List designation.

Materials

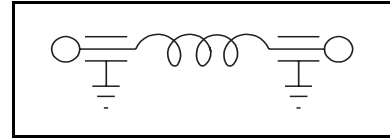
Body and nut: Brass, silver finish.
Washer: Steel, silver finish.

Case Dimensions

All dimensions in mm (inches)



Circuit Diagram



For Test Conditions see page 59

All Types	
Thread	12-32 UNEF
Mounting Hole	5.62 mm (0.221")
Chassis Thickness (max.)	3.1 mm (0.122")
Minimum Pitch (with nut)	9.8 mm (0.386")
Minimum Pitch (without nut)	6.4 mm (0.252")
Nut A/F (max.)	5.97 - 6.73 mm (0.235" - 0.265")
Mounting Torque	0.35 Nm

Characteristics

QPL* Designation	Part Number	Capacitance (pF) (min.)	Current Rating (A d.c. & 400 Hz a.c.)	Voltage Rating		Minimum Insertion Loss (dB) at 25°C (50 Ω system)					
				V d.c.	Vrms	50 MHz	100 Mhz	200 MHz	500 MHz	1 GHz	10 Ghz
M15733/61-0005 (FL32)	FLT8/P/1500	1500	10	200	140	32	45	58	70	70	70
M15733/61-0006 (FL32)	FLT8/P/1500/RP	1500	10	200	140	32	45	58	70	70	70
M15733/61-0007 (FL32)	FLT8/P/5000	5000	10	100	70	50	65	70	70	70	70
M15733/61-0010 (FL43)	FLT8/P/5000	5000	10	100	70	50	65	70	70	70	70
M15733/61-0011 (FL43)	FLT8/P/5000/RP	5000	10	100	70	50	65	70	70	70	70
						Minimum Insertion Loss (dB) at -55°C and 125°C (50 Ω system)					
M15733/61-0005 (FL32)	FLT8/P/1500	1500	10	200	140	16	30	48	70	70	70
M15733/61-0006 (FL32)	FLT8/P/1500/RP	1500	10	200	140	16	30	48	70	70	70
M15733/61-0007 (FL32)	FLT8/P/5000	5000	10	100	70	16	30	48	70	70	70
M15733/61-0010 (FL43)	FLT8/P/5000	5000	10	100	70	16	30	48	70	70	70
M15733/61-0011 (FL43)	FLT8/P/5000/RP	5000	10	100	70	16	30	48	70	70	70

* Qualified Products List (QPL) is maintained by the US Defense Electronics Supply Center (DESC-EQ)

Panel Mounted L and C Circuit Filters

DLT2

Ordering Information

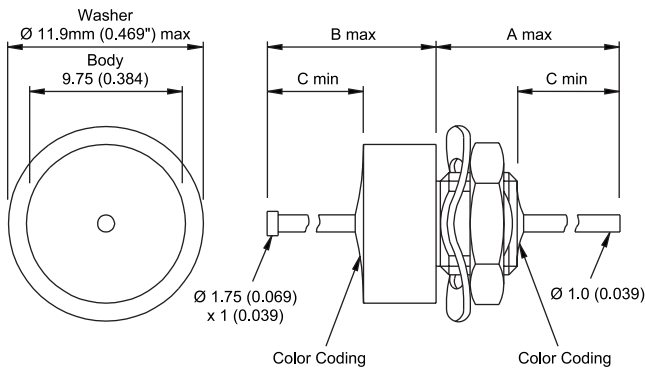
Please state Part Number.
Nut and washer supplied as standard.

Materials

Cases and nut: Brass, silver finish
Feedthrough terminations: Copper alloy, tin lead or silver finish.
Washer: Silver plated, beryllium-copper alloy

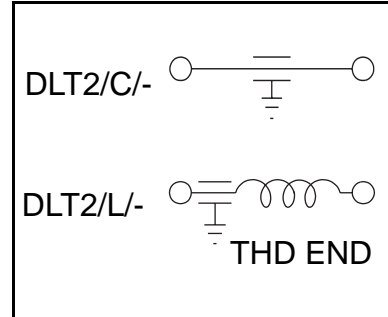
Case Dimensions

All dimensions in mm (inches)



Thread	M6 x 0.75 mm (0.029")
Chassis Thickness (max.)	2.25 mm (0.088")
Minimum Pitch (without nut/washer)	9.9 mm (0.389")
Nut A/F	8.2 mm (0.323")
Mounting Torque	0.5 Nm

Circuit Diagram

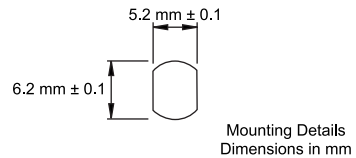


Voltage Rating

-55 to 85°C	+125°C
80 V d.c.	50 V d.c.

Linearly derate between 85°C and 125°C

Mounting Details



For Test Conditions see page 59

TYPE	A	B	C
DLT2-/1200n	9.25 mm (0.364")	8.25 mm (0.325")	2.5 mm (0.098")
DLT2-/1200n/LP	13.25 mm (0.522")	13 mm (0.512")	6 mm (0.236")

Characteristics

Part Number	Cap. (pF) (min.)	Current Rating (A d.c.)	Typical Insertion Loss (dB) (50 Ω system)								Color Code (top/threaded end)
			0.01 MHz	0.1 MHz	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz		
DLT2/C/1200n	1.2	15	6	25	44	54	77	80	80	RED/WHITE	
DLT/C/1200n/LP	1.2	15	6	25	44	54	77	80	80	RED/WHITE	
DLT/L/1200n	1.2	15	9	28	47	58	85	90	90	RED/RED	
DLT/L/1200n/LP	1.2	15	9	28	47	58	85	90	90	RED/RED	

Panel Mounted TVS L and C Circuit Filters

DLT2/-/TVS

Ordering Information

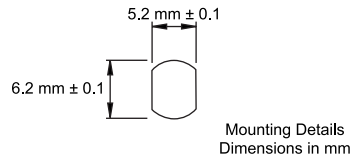
Please state Part Number
 e.g. if 1,000 pieces required of a 5 V working device, ordering would be 1,000 of DLT2/L/1200n/LP/5/TVS.
 Remember to include the working voltage in the Part Number.
 Supplied without nut as standard.

Materials

Body: Brass, silver finish.
 Washer: Silver plated, beryllium-copper alloy.
 Feedthrough terminations: Copper alloy, tin lead or silver finish.

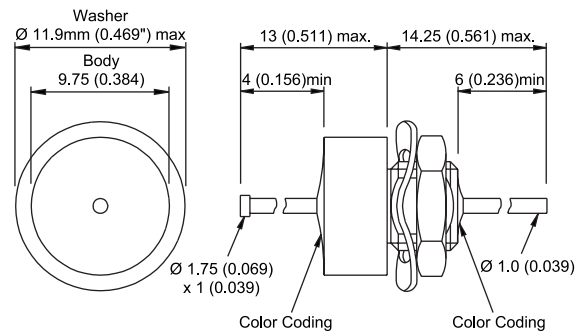
Mounting Details

Thread	M6 x 0.75 mm (0.029")
Chassis Thickness (max.)	2.25 mm (0.088")
Minimum Pitch	12 mm (0.472")
Nut A/F	8.2 mm (0.323")
Mounting Torque	0.5 Nm



Case Dimensions

All dimensions in mm (inches)



Transient Voltage Performance

Parameter	Test Conditions	5 V d.c.	14 V d.c.	18 V d.c.	26 V d.c.	30 V d.c.	48 V d.c.	60 V d.c.	Unit	
Working Voltage (d.c.)	V_{WM}	<50 μ A	5.6	14	18	26	30	48	60	Volt (max.)
Breakdown Voltage	V_B	1 mA d.c.	7.1 - 8.7	15.9 - 19.4	22.5 - 27	30.5 - 37.3	36 - 45	54.5 - 66.5	67 - 83	Volt (max.)
Clamping Voltage	V_C	10 A 8/20 μ s	15.5	30	40	58	65	100	120	Volt (max.)
Peak Current	I_{peak}	8/20 μ s	150	150	150	120	120	250	250	Amp (max.)
Transient Energy	E_{tran}	10/1000 μ s	0.4	0.4	0.4	0.4	0.4	1.2	1.5	Joule (max.)

V_{WM} - Maximum steady-state d.c. operating voltage the device can maintain and not exceed 50 μ A leakage current.

V_B - Voltage across the device measured at 1 mA d.c. current.

V_C - Maximum peak voltage across the device measured at a specified pulse current and waveform.

I_{peak} - Maximum peak current which may be applied with the specified waveform without device failure.

E_{tran} - Maximum energy which may be dissipated with the specified waveform without device failure.

Characteristics

Part Number	Min. Capacitance (μ F)	Current Rating (A) for d.c. & 400 Hz a.c.	Insertion Loss (dB) (50 Ω system) (min.) 100 Mhz - 1 GHz	Color Code ¹ (top end/thread end)
DLT2/L/1200n/LP ² /TVS	1.2	10	65	RED/RED
DLT2/C/1200n/LP/-/TVS	1.2	10	65	RED/WHITE

¹ Value coding may replace color code.

² Insert nominal working voltage (e.g. 5 or 14).

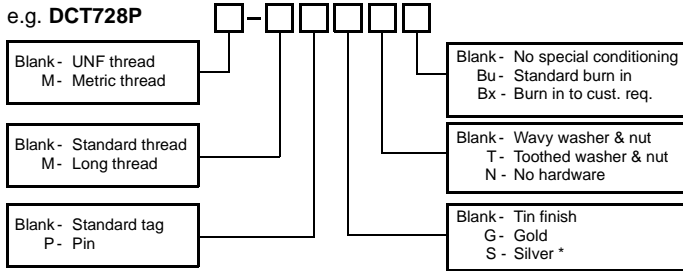
Marking: In addition to color code, transient protected device indicated by a black or white dot on color coding to distinguish from standard DLT2/- range.

Panel Mounted Feedthrough Capacitors

DCT

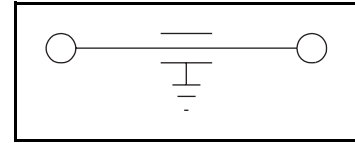
Ordering Information

e.g. DCT728P



* Not available on case sizes 12 – 17

Circuit Diagrams

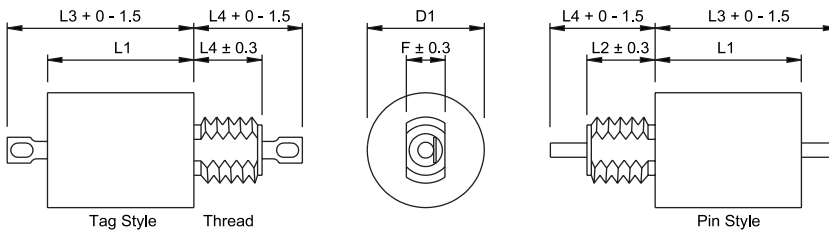


Environmental Classification 55/125/56 Hermetic

For Test Conditions see page 59

Case Dimensions

All dimensions maximum unless otherwise stated, in mm.



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

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	L2		Tag L4		Pin L4		Tag Hole	Pin Dia
	UNF 2A	Metric		Std.	Long	Std.	Long	Std.	Long		
6.35	8-32	—	3.05	4.85	—	8.64	—	15.0	—	1.27	1.7
9.78	¼"-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	6.35	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; 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) at Full Load Current -55°C to +125°C						
						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
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

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) at Full Load Current -55°C to +125°C						
						30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
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	2.5	0.11	0.004	200	-	-	8	13	22	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	-	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
DCT640P	15	12.0	0.45	0.005	500	6	16	19	24	34	51	60
DCT740P	15	12.0	0.25	0.005	1000	2	10	13	18	27	45	65
DCT840P	15	12.0	0.12	0.005	1000	-	4	7	13	23	40	60
DCT940P	15	12.0	0.07	0.005	1200	-	-	-	7	17	36	60
DCT541P	15	16.0	2.1	0.005	150	18	29	33	39	50	60	65
DCT641P	15	16.0	1.2	0.005	100	14	25	28	34	45	50	65
DCT741P	15	16.0	0.75	0.005	250	9	19	23	28	37	54	65
DCT841P	15	16.0	0.21	0.005	500	-	10	13	19	30	49	60
DCT942P	15	20.0	0.21	0.005	400	-	7	10	16	26	42	60

Panel Mounted L Circuit Filters

DLT, DUT

Ordering Information

e.g. **DLT642P**

Blank - UNF thread
M - Metric thread

Blank - Standard thread
M - 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 Diagrams

Environmental Classification

55/125/56 Hermetic

Case Dimensions

All dimensions maximum unless otherwise stated, in mm.

Tag Style

Thread

Pin Style

Voltage Rating

DLT# _ _ _ _			
#	-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

DLT _ # # _ _							Max Panel Thickness		
#	D1	L1	Tag L3	Pin L3	Mounting Style	Standard Thread	Long Thread		
25	9.78	4.57	8.5	17.0	B or C	1.5	3.0		
26	9.78	6.0	10.1	18.4	B or C	1.5	3.0		
29	9.78	12.2	16.3	24.6	B or C	1.5	3.0		
31	9.78	14.7	18.9	27.2	B or C	1.5	3.0		
42	17.53	17.45	22.6	29.4	B or C	3.0	—		

For Test Conditions see page 59

D1 Case Dia.	Thread		F	L2		Tag L4		Pin L4		Tag Hole	Pin Dia
	UNF 2A	Metric		Std.	Long	Std.	Long	Std.	Long		
9.78	¼"-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	6.35	8.0	—	14	—	20	—	1.45x3.0	2.15

Characteristics

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) at Full Load Current -55°C to +125°C								
						15 kHz	30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz	
DLT326P	15.0	3.5	1.4	0.005	100	-	14	25	27	34	44	54	70	
DLT331A	0.06	8.0	1.4	5.0	100	-	25	44	52	65	70	70	70	
DUT331A	0.06	8.0	1.4	5.0	100	-	25	44	52	65	70	70	70	
DLT331G	0.5	8.5	1.4	0.6	100	-	17	35	42	53	70	70	70	
DUT331G	0.5	8.5	1.4	0.6	100	-	17	35	42	53	70	70	70	
DLT331H	1.0	8.5	1.4	0.25	100	-	15	28	34	45	65	70	70	
DUT331H	1.0	8.5	1.4	0.25	100	-	15	28	34	45	65	70	70	
DLT331K	3.0	8.5	1.4	0.06	100	-	14	25	28	35	51	70	70	
DUT331K	3.0	8.5	1.4	0.06	100	-	14	25	28	35	51	70	70	
DLT331M	5.0	8.5	1.4	0.015	100	-	14	24	28	34	45	65	70	
DUT331M	5.0	8.5	1.4	0.015	100	-	14	24	28	34	45	65	70	
DLT331N	10.0	8.5	1.4	0.005	100	-	14	24	28	34	44	58	70	
DUT331N	10.0	8.5	1.4	0.005	100	-	14	24	28	34	44	58	70	
DLT425P	15.0	3.0	0.7	0.005	500	-	9	20	23	29	39	52	70	

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) at Full Load Current -55°C to +125°C							
						15 kHz	30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DLT426P	15.0	3.0	0.7	0.005	500	-	9	20	23	29	39	52	70
DLT429B	0.1	7.5	0.7	1.7	500	8	19	39	46	58	70	70	70
DUT429B	0.1	7.5	0.7	1.7	500	8	19	39	46	58	70	70	70
DLT429E	0.3	7.5	0.7	0.75	500	6	15	33	43	52	70	70	70
DUT429E	0.3	7.5	0.7	0.75	500	6	15	33	43	52	70	70	70
DLT429G	0.5	7.5	0.7	0.36	500	5	12	27	36	46	67	70	70
DUT429G	0.5	7.5	0.7	0.36	500	5	12	27	36	46	67	70	70
DLT429H	1.0	7.5	0.7	0.14	500	5	10	19	26	34	53	70	70
DUT429H	1.0	7.5	0.7	0.14	500	5	10	19	26	34	53	70	70
DLT429J	2.0	7.5	0.7	0.07	500	5	9	18	23	30	46	70	70
DUT429J	2.0	7.5	0.7	0.07	500	5	9	18	23	30	46	70	70
DLT429M	5.0	7.5	0.7	0.015	500	4	9	18	23	28	38	62	70
DUT429M	5.0	7.5	0.7	0.015	500	4	9	18	23	28	38	62	70
DLT431A*	0.06	8.0	0.7	70.0	500	-	40	61	68	70	70	70	70
DUT431A*	0.06	8.0	0.7	70.0	500	-	40	61	68	70	70	70	70
DLT431C*	0.15	8.0	0.7	12.0	500	-	20	43	48	60	70	70	70
DUT431C	0.15	8.0	0.7	12.0	500	-	20	43	48	60	70	70	70
DLT431D*	0.25	8.0	0.7	4.0	500	-	12	32	38	50	70	70	70
DUT431D*	0.25	8.0	0.7	4.0	500	-	12	32	38	50	70	70	70
DLT431E*	0.3	8.0	0.7	2.3	500	-	9	23	29	40	60	70	70
DUT431E*	0.3	8.0	0.7	2.3	500	-	9	23	29	40	60	70	70
DLT431F*	0.45	8.0	0.7	1.2	500	-	9	19	23	32	52	70	70
DUT431F*	0.45	8.0	0.7	1.2	500	-	9	19	23	32	52	70	70
DLT431G	0.5	8.5	0.75	0.6	500	-	13	29	37	48	66	70	70
DUT431G	0.5	8.5	0.75	0.6	500	-	13	29	37	48	66	70	70
DLT431H	1.0	8.5	0.75	0.25	500	-	10	22	29	39	56	70	70
DUT431H	1.0	8.5	0.75	0.25	500	-	10	22	29	39	56	70	70
DLT431K	3.0	8.5	0.75	0.06	500	-	10	20	24	30	45	70	70
DUT431K	3.0	8.5	0.75	0.06	500	-	10	20	24	30	45	70	70
DLT431M	5.0	8.5	0.75	0.015	500	-	10	20	23	29	39	66	70
DUT431M	5.0	8.5	0.75	0.015	500	-	10	20	23	29	39	66	70
DLT431N	10.0	8.5	0.75	0.005	500	-	10	19	23	28	38	57	70
DUT431N	10.0	8.5	0.75	0.005	500	-	10	19	23	28	38	57	70
DLT526P	15.0	3.0	0.3	0.005	1000	-	4	12	16	21	31	48	70
DLT531G	0.5	8.5	0.6	1.5	400	-	11	29	35	47	65	70	70
DUT531G	0.5	8.5	0.6	1.5	400	-	11	29	35	47	65	70	70
DLT531H	1.0	8.5	0.6	0.25	400	-	10	22	27	36	57	70	70
DUT531H	1.0	8.5	0.6	0.25	400	-	10	22	27	36	57	70	70
DLT531K	3.0	8.5	0.6	0.06	400	-	9	19	22	29	44	65	70
DUT531K	3.0	8.5	0.6	0.06	400	-	9	19	22	29	44	65	70
DLT531M	5.0	8.5	0.6	0.015	400	-	7	15	20	26	37	65	70
DUT531M	5.0	8.5	0.6	0.015	400	-	7	15	20	26	37	65	70
DLT531N	10.0	8.5	0.6	0.005	400	-	5	12	17	21	31	48	70
DUT531N	10.0	8.5	0.6	0.005	400	-	5	12	17	21	31	48	70
DLT525P	15.0	2.5	0.3	0.005	1000	-	4	12	16	21	31	48	70
DLT625P	15.0	3.0	0.1	0.005	1000	-	-	5	8	13	23	38	60
DLT631G	0.5	8.5	0.2	0.6	500	-	-	18	25	38	58	70	70
DUT631G	0.5	8.5	0.2	0.6	500	-	-	18	25	38	58	70	70
DLT631H	1.0	8.5	0.2	0.25	500	-	-	12	19	29	48	70	70
DUT631H	1.0	8.5	0.2	0.25	500	-	-	12	19	29	48	70	70
DLT631K	3.0	8.5	0.2	0.06	500	-	-	9	13	17	33	65	70
DUT631K	3.0	8.5	0.2	0.06	500	-	-	9	13	17	33	65	70
DLT631M	5.0	8.5	0.2	0.015	500	-	-	9	13	17	28	61	70
DUT631M	5.0	8.5	0.2	0.015	500	-	-	9	13	17	28	61	70
DLT631N	10.0	8.5	0.2	0.005	500	-	-	9	13	17	27	44	70
DUT631N	10.0	8.5	0.2	0.005	500	-	-	9	13	17	27	44	70
DLT726P	15.0	3.5	0.06	0.005	1000	-	-	2	4	8	18	33	50
DLT726P1	15.0	5.0	0.1	0.005	1000	-	-	3	6	11	21	35	55
DLT731G	0.5	8.5	0.12	2.0	500	-	-	15	22	33	54	70	70
DUT731G	0.5	8.5	0.12	2.0	500	-	-	15	22	33	54	70	70

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) at Full Load Current -55°C to +125°C							
						15 kHz	30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DLT731H	1.0	8.5	0.12	0.5	500	-	-	8	14	25	45	70	70
DUT731H	1.0	8.5	0.12	0.5	500	-	-	8	14	25	45	70	70
DLT731K	3.0	8.5	0.12	0.05	500	-	-	6	9	15	30	61	70
DUT731K	3.0	8.5	0.12	0.05	500	-	-	6	9	15	30	61	70
DLT731M	5.0	8.5	0.12	0.02	500	-	-	6	9	14	25	51	70
DUT731M	5.0	8.5	0.12	0.002	500	-	-	6	9	14	25	51	70
DLT731N	10.0	8.5	0.12	0.005	500	-	-	6	9	14	24	42	70
DUT731N	10.0	8.5	0.12	0.005	500	-	-	6	9	14	24	42	70
DLT826P	15.0	5.0	0.04	0.005	1000	-	-	-	-	-	9	23	45
DLT831G	0.5	8.5	0.04	2.0	500	-	-	7	13	24	45	60	70
DUT831G	0.5	8.5	0.04	2.0	500	-	-	7	13	24	45	60	70
DLT831H	1.0	8.5	0.04	0.5	500	-	-	-	5	15	35	67	70
DUT831H	1.0	8.5	0.04	0.5	500	-	-	-	5	15	35	67	70
DLT831K	3.0	8.5	0.04	0.05	500	-	-	-	-	9	28	61	70
DUT831K	3.0	8.5	0.04	0.05	500	-	-	-	-	9	28	61	70
DLT831M	5.0	8.5	0.04	0.02	500	-	-	-	-	5	17	45	70
DUT831M	5.0	8.5	0.04	0.02	500	-	-	-	-	5	17	45	70
DLT831N	10.0	8.5	0.04	0.005	500	-	-	-	-	5	15	33	70
DUT831N	10.0	5.0	0.04	0.005	500	-	-	-	-	5	15	33	70
DLT926P	15.0	8.5	0.02	0.005	500	-	-	-	-	-	5	19	45
DLT931G	0.5	8.5	0.02	2.0	500	-	-	5	10	20	41	56	70
DUT931G	0.5	8.5	0.02	2.0	500	-	-	5	10	20	41	56	70
DLT931H	1.0	8.5	0.02	0.5	500	-	-	-	-	11	31	63	70
DUT931H	1.0	8.5	0.02	0.5	500	-	-	-	-	11	31	63	70
DLT931K	3.0	8.5	0.02	0.05	500	-	-	-	-	2	16	47	70
DUT931K	3.0	8.5	0.02	0.05	500	-	-	-	-	2	16	47	70
DLT931M	5.0	8.5	0.02	0.02	500	-	-	-	-	2	11	37	70
DUT931M	5.0	8.5	0.02	0.02	500	-	-	-	-	2	11	37	70
DLT931N	10.0	8.5	0.02	0.05	500	-	-	-	-	2	11	30	70
DUT931N	10.0	8.5	0.02	0.005	500	-	-	-	-	2	11	30	70
DLT931G2	0.5	8.5	0.01	2.0	1000	-	-	3	6	14	32	45	70
DUT931G2	0.5	8.5	0.01	2.0	1000	-	-	3	6	14	32	45	70
DLT931H2	1.0	8.5	0.01	0.5	1000	-	-	-	-	5	22	50	70
DUT931H2	1.0	8.5	0.01	0.5	1000	-	-	-	-	5	22	50	70
DLT931K2	3.0	8.5	0.01	0.05	1000	-	-	-	-	-	7	43	70
DUT931K2	3.0	8.5	0.01	0.05	1000	-	-	-	-	-	7	43	70
DLT931M2	5.0	8.5	0.01	0.02	1000	-	-	-	-	-	3	31	70
DUT931M2	5.0	8.5	0.01	0.02	1000	-	-	-	-	-	3	31	70
DLT931N2	10.0	8.5	0.01	0.005	1000	-	-	-	-	-	3	22	70
DUT931N2	10.0	8.5	0.01	0.005	1000	-	-	-	-	-	3	22	70
DUT342G	0.5	16	3.0	0.3	100	-	25	45	52	63	70	70	70
DLT342G	0.5	16	3.0	0.3	100	-	25	45	52	63	70	70	70
DUT342H	1.0	16	3.0	0.21	100	-	23	41	48	60	70	70	70
DLT342H	1.0	16	3.0	0.21	100	-	23	41	48	60	70	70	70
DUT342K	3.0	16	3.0	0.03	100	-	20	31	35	42	60	70	70
DLT342K	3.0	16	3.0	0.03	100	-	20	31	35	42	60	70	70
DUT342M	5.0	16	3.0	0.03	100	-	20	31	34	41	56	70	70
DLT342M	5.0	16	3.0	0.03	100	-	20	31	34	41	56	70	70
DUT342N	10.0	16	3.0	0.005	100	-	20	28	35	41	51	60	70
DLT342N	10.0	16	3.0	0.005	100	-	20	28	35	41	51	60	70
DUT542G	0.5	16	1.4	0.3	300	-	20	40	48	58	70	70	70
DLT542G	0.5	16	1.4	0.3	300	-	20	40	48	58	70	70	70
DUT542H	1.0	16	1.4	0.21	300	-	18	37	44	56	70	70	70
DLT542H	1.0	16	1.4	0.21	300	-	18	37	44	56	70	70	70
DUT542K	3.0	16	1.4	0.03	300	-	14	25	29	37	55	70	70
DLT542K	3.0	16	1.4	0.03	300	-	14	25	29	37	55	70	70
DUT542M	5.0	16	1.4	0.02	300	-	14	24	28	34	47	70	70
DLT542M	5.0	16	1.4	0.02	300	-	14	24	28	34	47	70	70
DUT542N	10.0	16	1.4	0.005	300	-	14	24	27	33	44	60	70
DLT542N	10.0	16	1.4	0.005	300	-	14	24	27	33	44	60	70

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) at Full Load Current -55°C to +125°C							
						15 kHz	30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DUT642G	0.5	16	0.45	0.3	500	-	10	30	37	48	68	70	70
DLT642G	0.5	16	0.45	0.3	500	-	10	30	37	48	68	70	70
DUT642H	1.0	16	0.45	0.21	500	-	8	27	33	45	65	70	70
DLT642H	1.0	16	0.45	0.21	500	-	8	27	33	45	65	70	70
DUT642K	3.0	16	0.45	0.03	500	-	5	15	19	27	45	70	70
DLT642K	3.0	16	0.45	0.03	500	-	5	15	19	27	45	70	70
DUT642M	5.0	16	0.45	0.02	500	-	6	16	18	24	36	70	70
DLT642M	5.0	16	0.45	0.02	500	-	6	16	18	24	36	70	70
DUT642N	10.0	16	0.8	0.005	250	-	9	19	22	28	39	60	70
DLT642N	10.0	16	0.8	0.005	250	-	9	19	22	28	39	60	70
DUT742G	0.5	16	0.25	0.3	1000	-	5	25	32	43	62	70	70
DLT742G	0.5	16	0.25	0.3	1000	-	5	25	32	43	62	70	70
DUT742H	1.0	16	0.25	0.21	1000	-	2	20	26	38	59	70	70
DLT742H	1.0	16	0.25	0.21	1000	-	2	20	26	38	59	70	70
DUT742K	3.0	16	0.25	0.03	1000	-	2	11	14	22	39	70	70
DLT742K	3.0	16	0.25	0.03	1000	-	2	11	14	22	39	70	70
DUT742M	5.0	16	0.25	0.02	1000	-	-	9	13	19	33	65	70
DLT742M	5.0	16	0.25	0.02	1000	-	-	9	13	19	33	65	70
DUT742N	10.0	16	0.25	0.005	1000	-	2	10	13	18	29	50	70
DLT742N	10.0	16	0.25	0.005	1000	-	2	10	13	18	29	50	70
DUT842G	0.5	16	0.12	0.3	1000	-	-	19	26	38	60	70	70
DLT842G	0.5	16	0.12	0.3	1000	-	-	19	26	38	60	70	70
DUT842H	1.0	16	0.21	0.21	500	-	-	16	22	33	54	70	70
DLT842H	1.0	16	0.21	0.21	500	-	-	16	22	33	54	70	70
DUT842K	3.0	16	0.12	0.03	1000	-	-	4	8	16	33	65	70
DLT842K	3.0	16	0.12	0.03	1000	-	-	4	8	16	33	65	70
DUT842M	5.0	16	0.12	0.01	1000	-	-	4	7	13	27	60	70
DLT842M	5.0	16	0.12	0.01	1000	-	-	4	7	13	27	60	70
DUT842N	10.0	16	0.12	0.005	1000	-	-	4	7	13	23	48	70
DLT842N	10.0	16	0.12	0.005	1000	-	-	4	7	13	23	48	70
DUT942G	0.5	16	0.07	0.3	1200	-	-	14	21	33	55	60	70
DLT942G	0.5	16	0.07	0.3	1200	-	-	14	21	33	55	60	70
DUT942H	1.0	16	0.07	0.21	1200	-	-	9	16	27	48	60	70
DLT942H	1.0	16	0.07	0.21	1200	-	-	9	16	27	48	60	70
DUT942K	3.0	16	0.07	0.03	1200	-	-	-	3	10	28	64	70
DLT942K	3.0	16	0.07	0.03	1200	-	-	-	3	10	28	64	70
DUT942M	5.0	16	0.07	0.01	1200	-	-	-	-	9	22	55	70
DLT942M	5.0	16	0.07	0.01	1200	-	-	-	-	9	22	55	70
DUT942N	10.0	16	0.07	0.005	1200	-	-	-	-	7	18	43	60
DLT942N	10.0	16	0.07	0.005	1200	-	-	-	-	7	18	43	60

* Insertion Loss and No Load only

Miniature Threaded L Circuit Filters

DLT

Ordering Information

e.g. **DLT200A**

Blank - UNF thread
M - Metric thread

Blank - Standard thread
M - 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 Diagrams

DLT 215 Series

THD END

DLT 051B/DLT 200 Series

THD END

Environmental Classification 55/125/56 Hermetic

For Test Conditions see page 59

Case Dimensions

All dimensions maximum unless otherwise stated, in mm.

Tag Style

Thread

Pin Style

	L1	Tag L3	Pin L3	D1 Case Dia.	Thread		F	L2		Tag L4		Pin L4		Tag Hole	Pin Dia	Mounting Style*	Max. Panel Thickness	
					UNF 2A	Metric		Std.	Long	Std.	Long	Std.	Long				Std.	Long
DLT200/215	14.7	18.8	27	9.78	¼"-28	M6 x 0.75	5.08	4.83	7.92	8.9	12.0	17.2	20.3	1.27 x 1.78	1.55	B or C	1.5	3
DLT051B	4.6	8.5	17															

Voltage Rating

-55°C to +85°C	-55°C to +125°C
80 V d.c	50 V d.c.

* See page 54 for mounting details

Characteristics

Part Number	Rated Current (Amps)	Typical Weight (g)	Min. Cap. (µF)	Max Series R (Ω)	Min IR (MΩ)	Min. Insertion Loss (db) at No Load Current -55°C to +125°C						
						30 kHz	100 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
DLT051B*	15.0	3.0	1.2	0.008	100	15	24	28	34	44	60	70
DLT200A	0.06	8	1.2	70	100	44	65	70	70	70	70	70
DLT215A	0.06	8	1.2	70	100	44	65	70	70	70	70	70
DLT200B	0.15	8	1.2	12	100	24	45	52	64	70	70	70
DLT215B	0.15	8	1.2	12	100	24	45	52	64	70	70	70
DLT200C	0.25	8	1.2	4	100	18	35	42	56	70	70	70
DLT215C	0.25	8	1.2	4	100	18	35	42	56	70	70	70
DLT200D	0.3	8	1.2	2.3	100	16	28	35	44	62	70	70
DLT215D	0.3	8	1.2	2.3	100	16	28	35	44	62	70	70
DLT200E	0.45	8	1.2	1.2	100	15	25	31	37	55	70	70
DLT215E	0.45	8	1.2	1.2	100	15	25	31	37	55	70	70
DLT200F	10	8	1.2	0.01	100	15	24	28	33	44	64	70
DLT215F	10	8	1.2	0.01	100	15	24	28	33	44	64	70

* DLT051B Insertion loss at full load current