

Linear Tech to Midcom Cross Reference

SwitchmodePower

Linear Tech Driver	Midcom Transformer
LT1171	30245
LT1210	671-7783
LT1308	40000R DUW-5523-4R7R DUW-5523-4R7R-LF1
LT1317	40006R DUW-5523-100R DUW-5523-100R-LF1
LT1370	DUW-5523-100R DUW-5523-100R-LF1 DUW-5523-4R7R DUW-5523-4R7R-LF1
LT1425	30826R 30977R 31003R
LT1497	50712R
LT1506	DUW-5523-4R7R DUW-5523-4R7R-LF1
LT1533	30802R 30804R 30804R-LF1 30807R 30807R-LF1 30812R 30942R 30942R-LF1 30943R 30944R 30944R-LF1 30945R 31351R 31836R DUW-5523-330R DUW-5523-330R-LF1
LT1534	38440R 40062R
LT1553	DUS-7328-2R2R DUS-7328-2R2R-LF1
LT1558	DUW-5523-100R DUW-5523-100R-LF1
LT1613	31102R 31103R
LT1614	DUW-5523-220R DUW-5523-220R-LF1
LT1624	40361R DUW-5523-100R DUW-5523-100R-LF1

Linear Tech Driver	Midcom Transformer
LT1625	DUS-7328-100R DUS-7328-100R-LF1
LT1626	40061R
LT1627	DUW-5523-1R0R DUW-5523-1R0R-LF1
LT1649	DUW-5523-1R0R DUW-5523-1R0R-LF1
LT1676	DUS-5121-221-LF1 DUS-5121-221R
LT1683	31244R 31471R 31773
LT1735	31394R
LT1737	31314R 31437R 31440R 31440R-LF1 31450R 31450R-LF1 31529R 31566R-LF1 31567R 31567R-LF1
LT1776	DUW-5523-101R DUW-5523-101R-LF1
LT1795	50215R
LT1886	50215R
LT1930	31290R 31301R
LT1931	31290R 31301R
LT3750	32050R 32050R-LF3 32051R 32051R-LF3 32052R 32052R-LF3
LT4125	31915R
LTC1624	30920R
LTC1725	31757R
LTC3721-1	31999R 32071R 32071R-LF1 32137R-LF1

Details subject to change. Contact your Midcom sales representative for additional information. Dimensions: in/mm. All tolerances are ±.010/0.25 and electrical specifications are @25°C unless otherwise specified.

Shielded Drum Core Selector

SwitchmodePower

 121 Airport Drive Watertown, SD 57201 www.midcom-inc.com																					
Series		DSB-2612	DSS-2712	DSS-2612	DSS-2718	DSS-3013	DSS-3018	DSS-5121	DSS-4824	DSS-7330	DSS-4832										
Inductor Type		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single										
Length (mm)		4.5	6.5	4.5	6.5	7.5	7.5	9.4	12.5	15.3	12.5										
Width (mm)		6.6	6.9	6.6	6.9	7.5	7.5	13.0	12.5	18.6	12.5										
Height (mm)		3.0	3.0	3.0	5.0	3.4	4.5	5.4	6.0	7.6	8.0										
Joule Rating (µJ)		4	6	8	9	14	18	20	80	125	150										
Suffix ¹	L (µH)	I _{MAX} (Amps)	DCR (Ω)	I _{MAX} (Amps)	DCR (Ω)	I _{MAX} (Amps)	DCR (Ω)	I _{MAX} (Amps)	DCR (Ω)	I _{MAX} (Amps)	DCR (Ω)										
-1R0	1			3.00	0.04			5.00	0.02												
-1R2	1.2										9.80	0.01									
-1R5	1.5			2.80	0.05			4.50	0.02												
-2R2	2.2			1.80	0.05			3.80	0.03												
-2R4	2.4										8.00	0.01									
-2R9	2.9		1.94	0.07																	
-3R3	3.3		1.94	0.07	1.60	0.06	4.22	0.03	1.94	0.07	3.30	0.04									
-3R5	3.5										7.50	0.01									
-4R7	4.7		1.63	0.08	1.40	0.06			2.70	0.05	6.80	0.02									
-5R5	5.5		1.40	0.10																	
-6R1	6.1										6.60	0.02									
-6R8	6.8			1.20	0.07			2.20	0.08												
-7R6	7.6										5.90	0.02									
-100	10		1.35	0.12	1.00	0.08	1.35	0.12	1.68	0.07	1.84	0.05	2.00	0.10	4.00	0.03	3.90	0.04	5.40	0.02	
-120	12		1.00	0.20			1.22	0.13	1.52	0.10	1.71	0.06			3.50	0.03			4.90	0.02	
-150	15		0.90	0.23	0.80	0.09	1.11	0.18	1.33	0.13	1.47	0.08	1.50	0.15	3.30	0.03	3.40	0.05	4.50	0.03	
-180	18		0.80	0.27			1.02	0.24	1.20	0.14	1.31	0.09			3.00	0.03			3.90	0.04	
-220	22		0.74	0.34	0.70	0.11	0.91	0.27	1.07	0.19	1.23	0.11	1.30	0.21	2.80	0.04	3.10	0.06	3.60	0.04	
-270	27		0.66	0.38			0.82	0.30	0.96	0.21	1.12	0.15			2.30	0.05			3.40	0.05	
-330	33		0.59	0.45	0.60	0.19	0.74	0.33	0.91	0.24	0.96	0.17	1.10	0.33	2.10	0.06	2.80	0.08	3.00	0.06	
-390	39		0.54	0.49			0.69	0.37	0.77	0.32	0.91	0.23			2.00	0.07			2.75	0.07	
-470	47		0.50	0.69	0.50	0.23	0.62	0.52	0.76	0.36	0.88	0.26	0.80	0.47	1.80	0.08	2.40	0.10	2.50	0.10	
-560	56		0.46	0.78			0.58	0.56	0.68	0.47	0.75	0.35			1.70	0.11			2.35	0.11	
-680	68		0.42	1.07	0.40	0.29	0.51	0.63	0.61	0.52	0.69	0.38	0.70	0.65	1.50	0.12	2.00	0.14	2.10	0.14	
-820	82		0.38	1.21			0.46	0.71	0.57	0.69	0.61	0.43			1.40	0.14			1.95	0.16	
-101	100	0.22	0.95	0.34	1.39	0.30	0.48	0.42	1.03	0.50	0.79	0.60	0.61	0.60	0.93	1.30	0.16	1.70	0.21	1.70	0.22
-121	120			0.31	1.90			0.38	1.15	0.49	0.89	0.52	0.66			1.10	0.17			0.60	0.25
-151	150	0.20	1.4	0.28	2.2	0.26	0.6	0.35	1.7	0.43	1.3	0.46	0.9	0.50	1.2	1.00	0.2	1.30	0.3	1.42	0.3
-181	180			0.26	2.8			0.32	1.9	0.39	1.5	0.42	1.0			0.90	0.3			1.30	0.4
-221	220	0.18	1.7	0.23	3.1	0.22	0.8	0.29	2.1	0.35	1.7	0.36	1.2	0.40	1.9	0.80	0.4	1.10	0.5	1.16	0.4
-271	270			0.22	4.4			0.26	2.4	0.32	2.3	0.34	1.6			0.75	0.5			1.06	0.6
-331	330	0.16	2.2	0.19	4.9	0.20	1.4	0.23	2.7	0.28	2.6	0.32	1.9			0.68	0.5	0.86	0.8	0.95	0.6
-391	390			0.19	1.6	0.22	2.9	0.26	2.9	0.29	2.9	0.29	2.9			0.65	0.7			0.88	0.7
-471	470	0.14	3.8			0.19	1.8	0.20	3.9	0.24	4.2	0.26	3.0			0.58	0.8	0.73	1.1	0.79	1.0
-561	560					0.18	5.4	0.22	4.7	0.23	3.6					0.54	0.9	0.60	1.2	0.93	1.1
-681	680	0.12	4.9			0.17	7.3	0.19	5.8	0.22	4.6					0.48	1.2	0.64	1.4	0.67	1.5
-821	820					0.15	8.2	0.18	6.5	0.20	5.2					0.43	1.3			0.60	1.6
-102	1000	0.10	9.0			0.15	3.4	0.14	9.3	0.16	9.4	0.18	6.0			0.40	1.5	0.53	2.0	0.55	1.8
-152	1500	0.08	11			0.12	4														
-222	2200	0.05	19			0.10	9														
-332	3300	0.04	24			0.08	11														
-472	4700	0.03	30			0.06	14														
-682	6800	0.02	56			0.04	25														
-103	10000	0.01	74			0.02	33														

Note 1: an R behind the suffix denotes tape & reel packaging.

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Unshielded Drum Core Selector

SwitchmodePower

Series	DUP-1308		DUP-1810		DUS-2612		DUP-1813		DHC-5121		DUS-5121		DUW-5523		DUS-7328		DHC-7328		DHC-7342		DHC-8164			
	Inductor Type	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Coupled	Coupled		
Length (mm)	2.7	3.4	4.5	4.3	9.4	9.4	10.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	17.3		
Width (mm)	3.5	4.8	6.6	4.8	13.0	13.0	14.0	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	17.3		
Height (mm)	2.2	2.8	2.9	3.5	5.5	5.5	6.0	12.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	16.3		
Joule Rating (μJ)	0.8	1.25	6	7	60	75	80	160	160	160	160	160	160	160	160	160	160	160	160	160	160	600		
Suffix ¹	L (μH)	I _{MAX} (mA)	DCR (Ω)	I _{MAX} (mA)	DCR (Ω)	I _{MAX} (Amps)	DCR (Ω)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	I _{MAX} (Amps)	DCR (mΩ)	
-R33	0.33								17.0	1.6														
-R47	0.47												10.6	4.9	9.0	8	21.9	1.50						
-R56	0.56								13.0	2.7														
-R68	0.68																				20.0	2.0	20.0	1.1
-R82	0.82																18.5	2.00						
-1R0	1.0	800	0.08	500	0.20	2.90	0.05	3.80	33	11.0	4.0	6.8	9	9.3	6.5	8.6	9							
-1R2	1.2																				17.7	2.6		
-1R4	1.4							3.30	38															
-1R5	1.5					2.80	0.05			9.0	6.1	6.4	10	8.3	8.1			14.6	3.30			15.0	1.8	
-1R8	1.8							2.91	42															
-2R2	2.2	600	0.17	500	0.30	2.40	0.07	2.60	47	8.0	7.2	6.1	12	7.2	10.7	7.1	14	11.7	5.10	14.7	3.7	14.0	2.2	
-2R7	2.7							2.43	52	6.8	10.6													
-3R3	3.3			500	0.35	2.00	0.08	2.15	58	6.1	12.0	5.4	15	6.5	12.8	6.2	15	10.0	7.00	13.7	4.3	13.0	2.7	
-3R9	3.9							1.98	76															
-4R5	4.5															5.7	16	8.6	9.00					
-4R7	4.7	450	0.26	500	0.40	1.50	0.09	1.70	94	5.1	16.8	4.8	18	5.5	16.5					10.8	6.9	11.0	3.6	
-5R3	5.3									4.8	18.6													
-5R6	5.6							1.60	100						5.3	20						10.5	4.8	
-6R8	6.8			450	0.50	1.40	0.13	1.41	120	4.3	25.9	4.4	27	5.0	20.2			7.1	14.0	9.0	9.8	10.0	5.4	
-8R2	8.2							1.26	130															
-100	10	300	0.57	400	0.56	1.10	0.16	1.15	180			3.9	38	4.3	29.7	4.3	31	5.7	21.4	7.1	16	9.0	8.1	
-120	12							1.05	210															
-150	15			360	0.73	1.20	0.23	0.92	240			3.1	46	3.5	41.0	4.0	36							
-180	18							0.84	340															
-220	22	250	0.92	320	0.94	0.80	0.37	0.76	380			2.7	85	2.8	61.7	3.5	47			5.4	28	8.0	18	
-270	27							0.71	520															
-330	33			270	1.20	0.60	0.51	0.64	540			2.1	100	2.1	91.7	3.0	66			4.4	42	7.0	27	
-390	39							0.59	590															
-470	47	170	1.69	220	1.50	0.50	0.64	0.54	840			1.8	140	1.7	139	2.6	86			3.5	55	5.0	42	
-560	56							0.50	940															
-680	68			180	1.90	0.40	0.86	0.46	1120			1.5	200	1.5	179	2.3	130							
-820	82																							
-101	100	100	4.55	160	2.50	0.30	1.27					1.3	280	1.2	271	1.8	190			2.3	153	3.4	90	
-151	150					0.25	2.00					1.0	400			1.5	250			2.0	200	3.1	114	
-221	220	70	10.9	110	5.40	0.20	3.11					0.8	610			1.2	380					2.5	173	
-331	330	60	13.0	95	8.20	0.16	3.80					0.6	1020			1.0	560					1.9	282	
-391	390	60	22.1																					
-471	470	60	24.7	80	11.8	0.15	5.06					0.5	1270			0.8	850					1.6	400	
-561	560	60	28.8																					
-681	680			65	17.0	0.12	9.20					0.4	2020			0.7	1100							
-102	1000			50	25.0	0.07	13.8					0.3	3000			0.6	1800					1.1	900	
-122	1200			45	30.0																			
-152	1500			40	37.0																			

Note 1: an R behind the suffix denotes tape & reel packaging and a U denotes tubes.

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