Leaded Inductors

Vishay

FEATURES

- Molded and Conformal Coated Styles
- Axial or Radial Leads
- MIL Approved and Commercial Products
- Variable Models available

PRODUCT DESCRIPTION	TYPE	MIL STYLE	INDUCTANCE RANGE µH	TOLERANCE MIN ±%	TOLERANCE MAX ±%	RATED DC CURRENT mA	DIMENSIONS MAX MM BODY Ø	BODY LENGTH	LEAD Ø
Molded Inductors Axial Lead Commercial and MIL-C-15305 Type LT Brackets indicate not QPL'd High Q and SRF Features: Wide Inductance range in small package Flame Retardent Coating Precision Performance Excellent Reliability Sturdy Construction Epoxy molded construction provides superior moisture protection.	**IM-1**		0.1-100	10		895-52	2.18	5.33	0.56
	IM-2		.022-.082	10	20	400-2400	2.66	6.60	0.56
		MS75083	0.1-1.0	10	20	1350-385	2.66	6.60	0.56
		MS75084	1.2-27	10	20	590-135	2.66	6.60	0.56
		MS75085	33-1000	10	20	130-28	2.66	6.60	0.56
	IM-4	MS18130	0.15-4.7	5	20	2450-260	4.21	9.77	0.69
		MS14046	5.60-33	5	20	495-165	4.21	9.77	0.69
		MS90538	36-240	5	20	180-101	4.21	9.77	0.69
			270-1800	5	20	129-56	4.21	9.77	0.69
	IM-6	(MS75008)	0.10-2.7	5	20	3600-460	5.08	11.43	0.69
		MS75101	3.3-27	5	10	990-205	5.08	11.43	0.69
			33-220	10	–	185-112	5.08	11.43	0.69
		(MS90539)	270-1000	5	10	110-78	5.08	11.43	0.69
	IM-8	(MS90540)	1100-3600	5	10	78-57	5.72	14.76	0.69
	IM-9	(MS14047)	68-150	10	–	168-132	6.60	14.76	0.69
	IM-10	(MS90541)	3900-10,000	5	10	61-47	6.35	19.05	0.69
Molded Inductors Medium Current High Q and SRF	**IM-6-38**	–	0.22-470	10	20	2380-185	5.08	11.43	0.69
Molded Inductors	**IM-6RFCS-40**	–	0.1-1000	5	10	4000-104	4.52	10.92	0.69
Molded Inductors High Q and SRF Axial Lead Full encapsulation in a thermo-setting mineral filled plastic jacket	**IM-10-22**	–	.47-3600	5	10	1970-57	5.84	14.47	0.69/0.76
	IM-10-28	–	1.2-120	10	–	2400-195	7.36	24.13	0.762
	IM-10-31	–	180-390	10	–	148-118	8.12	14.47	0.762
	IM-10-37	–	470-1000	10	–	125-95	9.77	16.13	0.762
	IM-10-46	–	1500-10000	10	–	84-47	12.14	17.70	0.762
	IM-10RFCL-12	–	1-10,000	5	10	4000-80	7.87	22.86	0.775
Inductors Conformal Coated Axial Leads Commercial	**EC22**	–	0.1-220	10	20	400-35	3.00	4.00	–
	EC24	–	0.1-1000	10	20	700-60	3.20	7.00	–
	EC36	–	0.1-1000	10	20	900-100	4.00	10.00	–
	EC46	–	1000-39000	10	20		5.00	10.00	–
Molded Inductors Axial Leads For Commercial applications such as filters and tuners	**TR021**	–	0.022-1500	2	10	2530-45	2.42	6.35	–
	TR022	–	0.22-1200	2	10	2600-94	3.94	9.53	–
	TR023	–	0.15-1200	2	10	3160-120	5.00	11.00	–
	TR025	–	1-8200	2	10	1900-80	6.35	14.25	–
	TR026	–	1.2-1200	2	10	3150-170	7.12	22.86	–

PRODUCT DESCRIPTION	TYPE	INDUCTANCE RANGE µH	TOLERANCE MIN ± %	TOLERANCE MAX ± %	RATED DC CURRENT mA	DIMENSIONS MAX (MM) BODY Ø	BODY LENGTH	LEAD Ø
Molded, Shielded Inductors Axial Lead	**IMS-2WWD-40**	0.1-1000	10		1720-80	3.38	8.51	0.56
	IMS-2SWWD-30	0.1-1800	10		1038-44	3.45	8.76	0.56
Molded, Shielded Inductors Commercial and to MIL-C-15305 Type LT Bracketed MIL Styles not QPL'd	**IMS-2**	0.1-560	5	10	670-40	2.41	6.60	0.55
	IMS-2 MS-21426	0.1-100	10		670-51	2.41	6.60	0.55
	IMS-2 MS-21427	120-560	10		88-40	2.41	6.60	0.55
	IMS-5	0.1-100000	5	10	1790-11.0	4.36	10.92	0.69
	IMS-5 MS-75087	0.1-0.82	10		1790-370	4.36	10.92	0.69
	IMS-5 MS-75088	1.0-12.0	10		1070-200	4.36	10.92	0.69
	IMS-5(MS-75089)	15.0-100000	10		315-11	4.36	10.92	0.69
	IMS-5WD-40	0.1-5600	5	10	4000-56	4.17	11.43	0.56
Inductors Shielded, Subminiature, Radial Lead	**PC**	0.1-1000	10		2500-141	6.98	6.86	0.56
Molded, Shielded Inductors Axial Leads	**TRB-021**	0.1-47	2	10	1340-255	2.42	6.35	
	TRB-023	0.1-1200	2	10	4300-110	5.00	11.00	
Inductors Epoxy Conformal Coated Flame Retardant, Uniform Roll Coating	**IRF-1**	0.1-1000	5	20	1350-60	2.79	8.36	0.55
	IRF-3	0.22-1000	5	20	1400-100	4.19	10.41	0.69
	IR-2	0.1-1000	1	20	1350-28	3.05	8.38	0.55
	IR-4	0.15-1800	1	20	2450-56	4.57	11.18	0.69
	IRF-24	0.1-1000	10	20	700-60	3.0	10.0	0.50
	IRF-36	0.1-1000	10	20	1750-100	4.0	14.0	0.65
	IRF-46	1000-39000	10		200-25	5.0	14.0	0.65
Filter Inductors High Current,Axial Lead	**IHD-1**	1.0-18000	15		5300-80	6.85	17.78	0.845
	IHD-3	3.9-100000	15		4000-70	11.68	22.86	0.845
Filter Inductors High Current Axial Leads Flame Retardent Polyolefin Tubing	**IHA-101**	50	10		2500	12.07	20.32	0.86
	IHA-102	100	10		2100	12.07	20.32	0.86
	IHA-103	250	10		1800	12.07	26.67	0.86
	IHA-104	500	10		1600	13.97	26.67	0.86
	IHA-105	1000	10		1400	13.97	29.85	0.86
	IHA-201	27	10		3700	12.70	20.32	0.86
	IHA-202	50	10		3100	12.70	20.32	0.86
	IHA-203	100	10		2700	12.70	23.37	0.86
	IHA-204	250	10		2400	15.24	23.37	0.86
	IHA-205	500	10		2300	19.05	26.67	0.86
	IHA-301	5	10		6800	12.07	20.32	0.86
	IHA-302	10	10		6100	12.07	23.37	0.86
	IHA-303	27	10		4800	13.97	23.37	0.86
	IHA-304	50	10		4300	13.97	23.37	0.86
	IHA-305	100	10		4200	13.97	39.85	0.86
	IHA-501	5	10		9300	12.07	26.67	1.07
	IHA-502	10	10		8300	12.07	26.67	1.07
	IHA-503	27	10		6500	17.78	26.67	1.07
	IHA-504	50	10		6100	17.78	26.67	1.07
	IHA-505	100	10		5900	17.78	33.02	1.07

PRODUCT DESCRIPTION	TYPE	INDUCTANCE @ 1KHZ µH	TOLERANCE MIN ± %	TOLERANCE MAX ± %	RATED DC CURRENT mA	DIMENSIONS MAX MM BODY Ø	BODY LENGTH	LEAD Ø
Filter Inductors High Current Pre-tinned Radial Leads Flame Retardant Polyolefin Tubing	**IH-3**	5	10		10000	15.24	22.23	1.20
	IH-3	10	10		9000	15.88	28.58	1.20
	IH-3	27	10		7000	20.32	22.23	1.20
	IH-3	50	10		5600	20.32	22.23	1.20
	IH-3	100	10		5200	20.32	38.58	1.20
	IH-3	150	10		5000	20.32	34.93	1.20
	IH-3	250	10		5000	20.32	41.28	1.20
	IH-5	5	10		14000	15.88	22.23	1.48
	IH-5	10	10		12000	15.88	28.58	1.48
	IH-5	27	10		9000	21.34	22.23	1.48
	IH-5	50	10		8000	21.34	22.23	1.48
	IH-5	100	10		7500	21.84	38.58	1.48
	IH-5	150	10		7500	21.84	34.93	1.48
	IH-5	250	10		7000	21.84	41.28	1.48
	IH-10	5	10		19000	16.13	28.58	1.78
	IH-10	10	10		16000	16.13	34.93	1.78
	IH-10	27	10		12500	23.75	38.58	1.78
	IH-10	50	10		11000	23.75	34.93	1.78
	IH-10	68	10		10000	23.75	34.93	1.78
	IH-10	100	10		10000	23.75	41.28	1.78
	IH-15	5	10		24000	17.78	34.93	2.21
	IH-15	10	10		20000	17.78	42.85	2.21
	IH-15	27	10		16000	25.40	34.93	2.21
	IH-15	50	10		15000	25.40	41.28	2.21
Filter Inductors High Current	**IHB-1**	1.0-560	10	20	9000-800	16.76	21.34	1.19
	IHB-2	1.0-2200	10	20	11400-800	20.96	21.34	1.19
	IHB-3	1.0-4700	10	20	21000-1000	27.94	21.34	1.19
	IHB-4	1.8-15000	10	20	27000-1300	40.64	26.16	1.90
	IHB-5	1.8-15000	10	20	35000-2000	40.64	36.83	1.90
	IHB-6	4.7-47000	10	20	35000-1400	50.80	38.10	1.90
Filter Inductors Totally Encapsulated Rectangular Case	**IHM-2**	1.0-15000	10		17800-260	13.08	27.78	1.05
Filter Inductors High Current Terminals are Extensions of Winding Wire,Solder Coated	**IHV-15-20**	500	10		15000	38.10	62.23	2.08
	IHV-20-200	200	10		20000	38.10	62.23	2.59
	IHV-28-60	60	10		28000	27.18	62.23	2.59
	IHV-30-150	150	10		30000	43.18	62.23	3.28
	IHV40-39	39	10		40000	30.48	62.23	3.28
	IHV-45-92	92	10		45000	50.04	64.77	4.11
	IHV-50-50	50	10		50000	41.15	64.77	4.11
	IHV-60-24	24	10		60000	33.53	62.23	4.11
Toroidal Inductor High Current Vertical or Horizontal Mount to optimize P.C. Board layout	**TJ-3**	1.2-1500	15		10000 - 500	16.5-16.8	7.6-8.1	See
	TJ-4	1.2-1500	15		10700 - 900	22.4	10.2	Detailed
	TJ-5	1.2-1500	15		10100 - 1300	25.4	11.4	Specification
	TJ-6	1.2-2700	15		16000 - 2000	35.1	21.1	Sheet
	TJ-7	1.2-2700	15		16000 - 2700	41.9	19.1	
	TJ-8	1.5-3900	15		18500 - 3200	48.8-49.3	25.4	
	TJ-9	1.5-5600	15		20000 - 5000	67.6-69.1	36.1	
Filter Inductors Toroid Epoxy Encapsulation Tinned Copper Terminals * dimension is height of body	**TE-3**	50-4H	1	2		17.40	9.78*	–
	TE-4	150-5H	1	2		26.92	12.70*	–
	TE-5	1mH-5H	1	2		33.53	18.42*	–

FEATURES

- Chokes are Manufactured by Winding Enamelled Copper Wire on to Cores with Tinned Leads
- Adjustable Chokes manufactured to Customer Specification
- Variable Inductors are Tunable (and can be supplied with special tuning tool) and Shielded and available for Vertical or Horizontal Mounting.

PRODUCT DESCRIPTION	TYPE	INDUCTANCE @ 1KHZ µH	TOLERANCE MIN ± %	TOLERANCE MAX ± %	RATED DC CURRENT mA	DIMENSIONS MAX (MM) BODY Ø	BODY LENGTH	LEAD Ø
Filter Inductors Toroid Vinyl Dipped, Stranded, Tinned Copper Terminals	**TD-3**	50-4H	1	2	–	17.40	8.13*	
	TD-4	150-5H	1	2	–	26.92	11.10*	
	TD-5	1mH-5H	1	2	–	33.53	17.48*	
High Current Toroidal Inductors EMI/RFI Suppression Copper winding on a toroid available with bare construction or cased	**SK 12**	7-700	–	20	2-0.2	Dimensions depend on model		
	SK 15	7-700	–	20	4-0.315	chosen - bare construction suffix N -		
	SK 24	7-700	–	20	6-0.7	or choice of case styles suffixes		
	SK 30	7-700	–	20	8-0.8	E, V, S or H- see detail data sheet		
	SK 40	7-700	–	20	15-1.75			
Toroidal Common Mode Inductors For Noise Suppression Conform to VDE 565-2. Dimensions show: Vertical Style V/Horizontal Style H * = height	**SC03**	0.3-3.5	–	–	4100-37	13/17	18	20/12*
	SC04	0.3-5.0	–	–	2600-30	16/22	23	25/15*
	SC05	0.6-4.0	–	–	1100-35	18/27	28	30/18*
	SC06	0.7-6.0	–	–	1050-40	18/32	32/33	35/20*
Wide Band Chokes Axial Leads for Noise Suppression	**IWB 15**	400	1.5 turns	–	-	6.00	10.00	–
	IWB 25	700	1.5 turns	–	–	6.00	10.00	–
	IWB 30	1000	1.5 turns	–	–	6.00	10.00	–
High Power Common Mode Power Inductors Single Phase -Noise Suppression	**SP 70**	**Impedance mH**	**Nominal Current A**		**Resistance Per Winding mΩ**			
		2 x 0.47	25	–	5	71.00	40.00	
		2 x 1	20	–	7			
		2 x 2.2	16	–	12			
		2 x 2.47	10	–	24			
		2 x 10	8	–	44			
High Power Common Mode Power Inductors Three Phases - Noise Suppression	**SP 80**	3 x 0.27	17	–	8	82.00	72.00	
		3 x 0.47	13	–	11.3	–	–	
		3 x 1	10	–	20	–	–	
		3 x 4.7	7	–	39	–	–	
		3 x 10	5.5	–	71	–	–	
Protected Current Chokes Axial Leads	**IG70**	1-18000	15	–	5300-80	7.00	18.00	–
	IG120	3.9-100000	15	–	4000-70	12.00	23.00	–
Protected Current Chokes Radial Leads Leads	**CH70**	1-1000	10	–	1030-100	7.00	9.00	–
	CH90	100-100000	10	–	343-12	9.00	12.00	–
	CH120	1-15000	10	–	6400-100	11.00	12.00	–
Subminiature,Shielded Variable Inductors Horizontal or Vertical Style	**WVL**	0.1-1000	5	10	1510-141	8.13	10.16	0.508

PRODUCT DESCRIPTION	TYPE	RATIO / IMPEDANCE	FREQ. MAX MHz	PACKAGE STYLE / SPECIFICATION	DIMENSIONS (MM) HEIGHT	LENGTH	WIDTH
Wide Band Transformers Surface Mount supplied taped and reeled for signal transfer in high frequencies	**TLB 5110** **TLB 5115** **TLB 5125** **TLB 5140**	1/1 1/1.5 1/2.5 1/4	360 153 190 160	6 Pins, 2.54 lead spacing	5.6	11	7.7
Pulse Transformers Surface Mount Microtransformers for frequencies up to 300 kHz	**TIM 10** **TIM 20** **TIM 40**	1 2 4	30000 30000 30000	4 Pins, 2.54 lead spacing	5.6	11	7.7
Pulse Transformers Commercial use in stick packaging for auto insertion	**TIR 6-10** **TIR 6-20** **TIR 6-40**	1/1 1/2 1/4	RM6 case 6 pins	Resistance RP max: 70Ω 40Ω 20Ω	12	15	15
Impedance Transformers for Modems and telecom lines	**TA32** **TA34** **TA34M** **TA90**	600/600 Ω 600/600 Ω 600/600 Ω 600/600 Ω	Approval V 32 V 34 V 34 V90	Transmission speeds 14400 28800 28800 56000	14 14 12.5 14	18 18 9.6 18	18 18 7.1 18
Line Matching Transformers for Modems and telecom lines Conform to EN 41003 Specification	**TLP 13-600** **TLP 13-300** **TLP 13-150**	600/600 600/300 600/150	Approval V 22 V 22 V 22	Transmission speeds 2400 2400 2400	14	14	14
Interface U Transformers ISDN	**TU 2091**	0.8 / 1 / 0.8	Case RM8 - 8 pins	Interface U : LB 3T / 2B 1Q	16.5	16.5	20
Signal or Microconverter Transformers Surface Mount	**TCV 5** **TCV 11** **TCV 14** **TCV 14 UI**	Style: E5 ER 11 ER 14 ER 14	300 300 300 300	Winding No: 1 Power Va: 0.5 Winding No: 2 Power Va: 5.6 Winding No: 5 Power Va: 14 Winding No: 5 Power Va: 14	5.2 6.3 8.5 8.5	8.2 13.4 17.7 17.7	6.5 12 15.4 15.4
Current Transformers Surface Mount, Tape and Reel Packaging Available	**TCM 50** **TCP 7**	1 V/A 50Ω load V/A 50Ω load	10-100 20-100	Dielectric Strength : 1000 Dielectric Strength : 1500	9.3 9	11 9	7.71 9
Low Frequency Transformers Applications : 50/60 Hz current measurement	**TCB 50** **TCB 70** **TCB 100**	0.07 V/A 33Ω load 0.07 V/A 33Ω load 0.07 V/A 33Ω load	50 50 60	I max A : 50 70 100	30 – –	28 – –	18 – –
High Frequency Current Transformers for High Frequency current measurement	**TCH 5** **TCH 10** **TCH 20**	1 V/A 33Ω load 0.5 V/A 33Ω load 0.25 V/A 33Ω load	10-100 10-100 10-100	I max A : 5 10 20	21 – –	17.5 – –	19.5 – –
Toroidal Transformers for Power Supplies General Use 50Hz - 60Hz Performance and geometry of magnetic core give excellent efficiency and very low radiation Supplied with ring washers for easy assembly		**FIXATION**	**SEC. VOLTAGE**	**UNIT WEIGHT**			
	TAZ 15	CFM 4 X 40		320g	31	ø 63	–
	TAZ 30	CFM 4 X 40	2 x 6 V	520g	32	ø 72	–
	TAZ 50	CFM 6 X 40		730g	33	ø 82	–
	TAZ 80	CFM 6 X 50	to	1000g	42	ø 90	–
	TAZ 120	CFM 6 X 50		1500g	37	ø 102	–
	TAZ 160	CFM 6 X 50	2 x 48 V	1700g	43	ø 105	–
	TAZ 200	CFM 8 X 50		2100g	42	ø 118	–
	TAZ 250	CFM 8 X 70		3000g	60	ø 125	–
	TAZ 300	CFM 8 X 70		3400g	60	ø 130	–
	TAZ 500	CFM10 X 60		4300g	55	ø 145	–
Safety Transformers for Power Supplies General Use 50Hz - 60Hz Potted in a case for direct mount to PCB gives good aging and high isolatin. Pins are standard 5 mm pitch *higher power available		**TYPE**	**SEC. VOLTAGE**	**POWER VA****			
	TMS 0.5	EI 30	–	0.5	15.3	34.5	32
	TMS 1	EI 30	6	1	21.8	34.5	32
	TMS 1.2	EI 30	–	1.2	23.8	34.5	32
	TMS 1.8	EI 30	to	1.8	26.8	34.5	32
	TMS 2.5	EI 30	–	2.5	29.5	34.5	32
	TMS 3.2	EI 38	24	3.2	28.1	40.2	34.5
	TMS 5	EI 42	–	5.0	32.5	44.1	36.9
"Planar" Transformers Low profile Designed for switching power supplies and DC/DC converters		**POWER MAX**		**MAX FREQUENCY**			
	TRC 100	150 W	–	300 kHz	10	35	34
	TRC 20	300 W	–	300 kHz	10	50	47
	TRH 22 / 64	100-500 W	–	300 kHz	see data sheet		

PRODUCT DESCRIPTION	TYPE	STANDARD ELECTRICAL SPECIFICATIONS	SPECIAL FEATURES

Low Profile, "Planar" Transformers
for Switching Power Supplies and DC/DC Converters

TYPE	POWER W	DIMENSIONS: L	W	H
TRH 22 0	90	34	22	8.5
TRH 22 1	150			12
TRH 32 0	250	38	32	10
TRH 32 1	350			13
TRH 38 0	600	48	39	12.5
TRH 38 1	900			17
TRH 43 0	900	60	44	14
TRH 43 1	1400			20
TRH 58 0	1900	80	59	15
TRH 58 1	2900			15
TRH 64 0	3400	93	65	16
TRH 64 1	5000			21

Windings are either made from a combination of PC Boards, copper straps or thermo adhesive wire which allows high frequency use and optimal weight/power ratio.

Transformer thickness gives good shock and vibration performance and excellent heat dissipation.

Transformers for Audio and Telephone Coupling

*@ 1kHz (dB)

TYPE	FREQ. RESPONSE*	UNBALANCED DC CURRENT	IMPEDANCE MATCHING
TA-10-XX	± 0.5	0	± 10%
TA-11-01	± 0.5	0	± 10%
TA-13-01	± 0.5	0-75	± 10%
TA-14-01	± 0.5	0-100/0-120	±10%
TA-23-01	± 0.5	0-75	± 10%
TA-30-XX	±1.5 / ± 1	0-5 / 0-90	± 25%
TA-31-01	± 1.5	0-50	± 25%
TA-32-XX	± 1,5	0-80 / 0-100 / 0-120	± 25%
TA-33-XX	± 1.5	0-100	± 25%
TA-40-01	± 2.0	0-90	± 20%

Transformers
Converter, for PCB mounting in low-power solid state circuits

TYPE	INPUT VDC	FREQ. REF: (kHz)	CIRCUIT EFFICIENCY	DIMENSIONS (mm max)
TC-10-XX	3.6 - 24	7.5-11	50% - 80%	ø19.05 Height 10.92

Transformers Pulse, Trigger Type
Printed Circuit or Bobbin Configuration

TYPE	DASH NUMBER	PRIMARY IND. min. (µH)	LEAKAGE IND. max. (µH)	TURNS RATIO
PT-10-XXX PT-20-XXX	101-105	200-5000	3-15	1:1 ± 10%
	106-110	200-5000	3-15	1:1:1 ± 10%
	111-114	500-5000	6-15	2:1 ± 10%
	115-119	200-5000	8-75	2:1:1 ± 10%
	120	5000	1500	5:1 ± 10%
	121	5000	1500	5:1:1 ± 10%

Transformers Trigger Type
for SCR Isolation Small Size, Low Profile

TYPE	DASH NUMBER	PRIMARY IND. min. (µH)	LEAKAGE IND. max. (µH)	TURNS RATIO
PT-50	101-105	200-5000	3-15	1:1 ± 10%
	106-109	500-5000	6-15	2:1 ± 10%
	110	5000	1500	5:1 ± 10%

Low Power Transformers
Single Primary - Dual Secondary

TYPE		
PL-11 PL-12 PL-13 PL-14	**Input Voltage**	115 V 60Hz
	Output Power Rating	0.75 VA - 10.0 VA
	Temperature Class	Class A, 105˚C
	PC Pin Mounting	

Low Power Transformers
Single Secondary

TYPE		
PL-32 PL-33 PL-34	**Input Voltage**	115 V 60Hz
	Output Power Rating	1.5 VA - 10.0 VA
	Temperature Class	Class A, 105˚C
	PC Pin Mounting	

Laminated construction for low-cost industrial applications, including power supplies, controls and instrumentation. Mounting frames and bobbin stand-off are available.

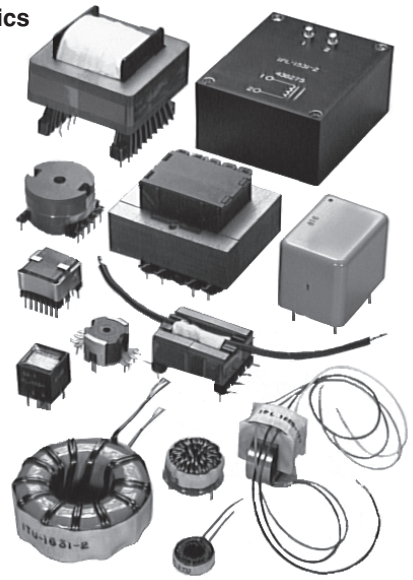
Low Power Transformers
Dual Primary - Dual Secondary 115/230 Volts

TYPE		
PL-22 PL-23 PL-24 PL-42 PL-43 PL-44	**Input Voltage**	115 V 60Hz or 230 V 50-60Hz
	Output Power Rating	1.5 VA - 10.0 VA
	Alternative Mounting Frames Available	
	PL-22, -23, -24	Concentric Winding
	PL-42, -43, -44	Split-section Winding

Dual secondary for series connection obtains twice winding voltage with centre tap or for parallel connection obtains twice winding current rate.

TYPICAL CUSTOMIZED DESIGNS AND CAPABILITIES

Switch Mode Magnetics



Vishay Dale has extensive facilities for custom design and production of custom magnetics used in switching power supplies including:

- Inductors
- Switching Converters
- Current Sense Transformers
- Power Transformers

PACKAGE DESIGN AND MATERIALS

If you have your own electrical design we can add value by assisting you with selection of the most economical materials and efficient packaging design.

Vishay Dale can provide designs to meet UL, CSA, IEEE and VDE requirements.

Air Core Inductors

Produced to your specifications for a wide range of high frequency applications including: Television, Radio (2-way, scanners, AM/FM), Satellite Communication, Cable TV Systems, Microwave, Test Equipment.

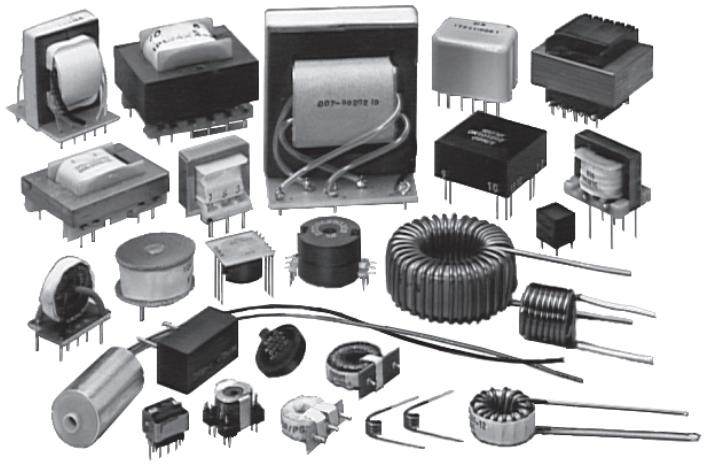
ELECTRICAL SPECIFICATIONS

Frequency: To 500 MHz.
Current: 10 amp maximum.
Temperature: To + 130°C.

MECHANICAL SPECIFICATIONS

Winding: 1 to 32 turns, clockwise or counter-clockwise with variable pitch.
Wire Gauge: #18 to #32.
Leads: Automatically tinned. Various configurations available.
Coil Inside Diameter: .079" to .354" [2.01mm to 8.99mm].
Coil Length: Up to 1.26" [32.0mm].

Inductive Products



Can't find it in the catalog? Vishay Dale has the custom capability to design and produce a wide range of magnetic components to your requirements.

POWER TRANSFORMERS:

50 to 400 Hz, VA ratings to 100 VA. Specialty models in Low Profile and PC Mount.

INDUCTORS:

Inductance values to 20 H, current ratings to 60 amps. Capability of many styles including: Toroidal, Laminated, E Core, Pot Core, Slug Core, Air Core.

AUDIO TRANSFORMERS:

Coupling Transformers and Hybrid Transformers available in PC Mount, Leadset and Low Profile.

TRANSFORMERS:

Switching Magnetics, Converter Transformers, Pulse Transformers, High Voltage Transformer.