

# 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 $\mu\text{H}$	TOLERANCE		RATED DC CURRENT mA	DIMENSIONS MAX MM		
				MIN	MAX ±%		BODY Ø	BODY LENGTH	LEAD Ø
<b>Molded Inductors</b> <b>Axial Lead</b> 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
	IM-6		270-1800	5	20	129-56	4.21	9.77	0.69
		(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	
<b>Molded Inductors</b> Medium Current High Q and SRF	IM-6-38	–	0.22-470	10	20	2380-185	5.08	11.43	0.69
<b>Molded Inductors</b>	IM-6RFCS-40	–	0.1-1000	5	10	4000-104	4.52	10.92	0.69
<b>Molded Inductors</b> 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
<b>Inductors</b> <b>Conformal Coated</b> 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	–
<b>Molded Inductors</b> 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 $\mu\text{H}$	TOLERANCE		RATED DC CURRENT mA	DIMENSIONS MAX (MM)		
			MIN	MAX $\pm \%$		BODY $\emptyset$	BODY LENGTH	LEAD $\emptyset$
<b>Molded, Shielded Inductors</b> 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
<b>Molded, Shielded Inductors</b> 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
<b>Inductors</b> Shielded, Subminiature, Radial Lead	PC	0.1-1000	10		2500-141	6.98	6.86	0.56
<b>Molded, Shielded Inductors</b> 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	
<b>Inductors</b> 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
<b>Filter Inductors</b> 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
<b>Filter Inductors</b> High Current Axial Leads Flame Retardant 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

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			MIN	MAX ± %		BODY Ø	BODY LENGTH	LEAD Ø
<b>Filter Inductors</b> 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	
<b>Filter Inductors</b> 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
<b>Filter Inductors</b> Totally Encapsulated Rectangular Case	IHM-2	1.0-15000	10		17800-260	13.08	27.78	1.05
<b>Filter Inductors</b> 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	
<b>Toroidal Inductor</b> 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 Detailed Specification Sheet
	TJ-4	1.2-1500	15		10700 - 900	22.4	10.2	
	TJ-5	1.2-1500	15		10100 - 1300	25.4	11.4	
	TJ-6	1.2-2700	15		16000 - 2000	35.1	21.1	
	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	
<b>Filter Inductors</b> 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		RATED DC CURRENT mA	DIMENSIONS MAX (MM)		
			MIN	MAX ± %		BODY Ø	BODY LENGTH	LEAD Ø
<b>Filter Inductors Toroid</b> Vinyl Dipped, Stranded, Tinned Copper Terminals	<b>TD-3</b>	50-4H	1	2	–	17.40	8.13*	
	<b>TD-4</b>	150-5H	1	2	–	26.92	11.10*	
	<b>TD-5</b>	1mH-5H	1	2	–	33.53	17.48*	
<b>High Current Toroidal Inductors</b> EMI/RFI Suppression Copper winding on a toroid available with bare construction or cased	<b>SK 12</b>	7-700	–	20	2-0.2	Dimensions depend on model chosen - bare construction suffix N - or choice of case styles suffixes E, V, S or H- see detail data sheet		
	<b>SK 15</b>	7-700	–	20	4-0.315			
	<b>SK 24</b>	7-700	–	20	6-0.7			
	<b>SK 30</b>	7-700	–	20	8-0.8			
	<b>SK 40</b>	7-700	–	20	15-1.75			
<b>Toroidal Common Mode Inductors</b> For Noise Suppression Conform to VDE 565-2. Dimensions show: Vertical Style V/Horizontal Style H * = height	<b>SC03</b>	0.3-3.5	–	–	4100-37	13/17	18	20/12*
	<b>SC04</b>	0.3-5.0	–	–	2600-30	16/22	23	25/15*
	<b>SC05</b>	0.6-4.0	–	–	1100-35	18/27	28	30/18*
	<b>SC06</b>	0.7-6.0	–	–	1050-40	18/32	32/33	35/20*
<b>Wide Band Chokes</b> Axial Leads for Noise Suppression	<b>IWB 15</b>	400	1.5 turns	–	–	6.00	10.00	–
	<b>IWB 25</b>	700	1.5 turns	–	–	6.00	10.00	–
	<b>IWB 30</b>	1000	1.5 turns	–	–	6.00	10.00	–
<b>High Power Common Mode Power Inductors</b> Single Phase -Noise Suppression	<b>SP 70</b>	<b>Impedance mH</b>	<b>Nominal Current A</b>		<b>Resistance Per Winding mΩ</b>			
		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			
<b>High Power Common Mode Power Inductors</b> Three Phases - Noise Suppression	<b>SP 80</b>	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	–	–	
<b>Protected Current Chokes</b> Axial Leads	<b>IG70 IG120</b>	1-18000	15	–	5300-80	7.00	18.00	–
		3.9-100000	15	–	4000-70	12.00	23.00	–
<b>Protected Current Chokes</b> Radial Leads Leads	<b>CH70 CH90 CH120</b>	1-1000	10	–	1030-100	7.00	9.00	–
		100-100000	10	–	343-12	9.00	12.00	–
		1-15000	10	–	6400-100	11.00	12.00	–
<b>Subminiature,Shielded Variable Inductors</b> Horizontal or Vertical Style	<b>WVL</b>	0.1-1000	5	10	1510-141	8.13	10.16	0.508

# Transformers

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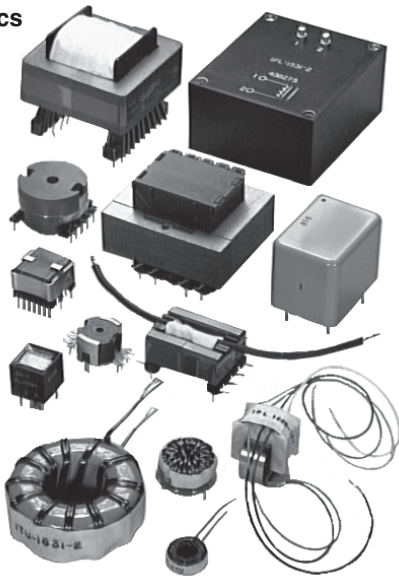
PRODUCT DESCRIPTION	TYPE	RATIO / IMPEDANCE	FREQ. MAX MHz	PACKAGE STYLE / SPECIFICATION	DIMENSIONS (MM)		
					HEIGHT	LENGTH	WIDTH
<b>Wide Band Transformers</b> Surface Mount supplied taped and reeled for signal transfer in high frequencies	TLB 5110	1/1	360	6 Pins, 2.54 lead spacing	5.6	11	7.7
	TLB 5115	1/1.5	153				
	TLB 5125	1/2.5	190				
	TLB 5140	1/4	160				
<b>Pulse Transformers</b> Surface Mount Microtransformers for frequencies up to 300 kHz	TIM 10	1	30000	4 Pins, 2.54 lead spacing	5.6	11	7.7
	TIM 20	2	30000				
	TIM 40	4	30000				
<b>Pulse Transformers</b> Commercial use in stick packaging for auto insertion	TIR 6-10	1/1	RM6 case 6 pins Resistance RP max: 70Ω		12	15	15
	TIR 6-20	1/2					
	TIR 6-40	1/4					
<b>Impedance Transformers</b> for Modems and telecom lines	TA32	600/600 Ω	Approval V 32	Transmission speeds 14400	14	18	18
	TA34	600/600 Ω	V 34	28800	14	18	18
	TA34M	600/600 Ω	V 34	28800	12.5	9.6	7.1
	TA90	600/600 Ω	V90	56000	14	18	18
<b>Line Matching Transformers</b> for Modems and telecom lines Conform to EN 41003 Specification	TLP 13-600	600/600	Approval V 22	Transmission speeds 2400	14	14	14
	TLP 13-300	600/300	V 22	2400			
	TLP 13-150	600/150	V 22	2400			
<b>Interface U Transformers ISDN</b>	TU 2091	0.8 / 1 / 0.8	Case RM8 - 8 pins	Interface U : LB 3T / 2B 1Q	16.5	16.5	20
<b>Signal or Microconverter Transformers</b> Surface Mount	TCV 5	Style: E5	300	Winding No: 1 Power Va: 0.5	5.2	8.2	6.5
	TCV 11	ER 11	300	Winding No: 2 Power Va: 5.6	6.3	13.4	12
	TCV 14	ER 14	300	Winding No: 5 Power Va: 14	8.5	17.7	15.4
	TCV 14 UI	ER 14	300	Winding No: 5 Power Va: 14	8.5	17.7	15.4
<b>Current Transformers</b> Surface Mount, Tape and Reel Packaging Available	TCM 50	1 V/A 50Ω load	10-100	Dielectric Strength : 1000	9.3	11	7.71
	TCP 7	V/A 50Ω load	20-100		Dielectric Strength : 1500	9	9
<b>Low Frequency Transformers</b> Applications : 50/60 Hz current measurement	TCB 50	0.07 V/A 33Ω load	50	I max A : 50	30	28	18
	TCB 70	0.07 V/A 33Ω load	50	70	-	-	-
	TCB 100	0.07 V/A 33Ω load	60	100	-	-	-
<b>High Frequency Current Transformers</b> for High Frequency current measurement	TCH 5	1 V/A 33Ω load	10-100	I max A : 5	21	17.5	19.5
	TCH 10	0.5 V/A 33Ω load	10-100	10	-	-	-
	TCH 20	0.25 V/A 33Ω load	10-100	20	-	-	-
<b>Toroidal Transformers</b> 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		<b>FIXATION</b>		<b>SEC. VOLTAGE UNIT WEIGHT</b>			
	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	-
<b>Safety Transformers</b> for Power Supplies General Use 50Hz - 60Hz Potted in a case for direct mount to PCB gives good aging and high isolation. Pins are standard 5 mm pitch *higher power available		<b>TYPE</b>		<b>SEC. VOLTAGE POWER VA**</b>			
	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
<b>"Planar" Transformers</b> Low profile Designed for switching power supplies and DC/DC converters		<b>POWER MAX</b>		<b>MAX FREQUENCY</b>			
	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		
<b>Low Profile, "Planar" Transformers</b> for Switching Power Supplies and DC/DC Converters	TRH 22 0	POWER W			DIMENSIONS: L W H		
	TRH 22 1	90	Windings are either made from a		34	22	8.5
	TRH 32 0	150	combination of PC Boards, copper straps or				12
	TRH 32 1	250	thermo adhesive wire which allows high frequency		38	32	10
	TRH 38 0	350	use and optimal weight/power ratio.				13
	TRH 38 1	600	Transformer thickness gives good shock		48	39	12.5
	TRH 43 0	900	and vibration performance and excellent		60	44	14
	TRH 43 1	1400	heat dissipation.				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	
<b>Transformers for Audio and Telephone Coupling</b>  *@ 1kHz (dB)	TA-10-XX	FREQ. RESPONSE*	UNBALANCED DC CURRENT		IMPEDANCE MATCHING		
	TA-11-01	± 0.5	0		± 10%		
	TA-13-01	± 0.5	0		± 10%		
	TA-14-01	± 0.5	0-75		± 10%		
	TA-23-01	± 0.5	0-100/0-120		±10%		
	TA-30-XX	± 0.5	0-75		± 10%		
	TA-31-01	±1.5 / ± 1	0-5 / 0-90		± 25%		
	TA-32-XX	± 1.5	0-50		± 25%		
	TA-33-XX	± 1,5	0-80 / 0-100 / 0-120		± 25%		
TA-40-01	± 1.5	0-100		± 25%			
TA-40-01	± 2.0	0-90		± 20%			
<b>Transformers</b> Converter, for PCB mounting in low-power solid state circuits	TC-10-XX	INPUT VDC	FREQ. REF: (kHz)	CIRCUIT EFFICIENCY	DIMENSIONS (mm max)		
		3.6 - 24	7.5-11	50% - 80%	ø19.05 Height 10.92		
<b>Transformers Pulse, Trigger Type</b> Printed Circuit or Bobbin Configuration	PT-10-XXX PT-20-XXX	DASH NUMBER	PRIMARY IND. min. (µH)	LEAKAGE IND. max. (µH)	TURNS RATIO		
		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%				
<b>Transformers Trigger Type</b> for SCR Isolation Small Size, Low Profile	PT-50	DASH NUMBER	PRIMARY IND. min. (µH)	LEAKAGE IND. max. (µH)	TURNS RATIO		
		101-105	200-5000	3-15	1:1 ± 10%		
		106-109	500-5000	6-15	2:1 ± 10%		
		110	5000	1500	5:1 ± 10%		
<b>Low Power Transformers</b> Single Primary - Dual Secondary	PL-11	Input Voltage	115 V 60Hz		Laminated construction for low-cost industrial applications, including power supplies, controls and instrumentation. Mounting frames and bobbin stand-off are available.		
	PL-12	Output Power Rating	0.75 VA - 10.0 VA				
	PL-13	Temperature Class	Class A, 105°C				
	PL-14	PC Pin Mounting					
<b>Low Power Transformers</b> Single Secondary	PL-32	Input Voltage	115 V 60Hz		Dual secondary for series connection obtains twice winding voltage with centre tap or for parallel connection obtains twice winding current rate.		
	PL-33	Output Power Rating	1.5 VA - 10.0 VA				
	PL-34	Temperature Class	Class A, 105°C				
<b>Low Power Transformers</b> Dual Primary - Dual Secondary 115/230 Volts	PL-22	Input Voltage	115 V 60Hz or 230 V 50-60Hz				
	PL-23	Output Power Rating	1.5 VA - 10.0 VA				
	PL-24	Alternative Mounting Frames Available					
	PL-42	PL-22, -23, -24	Concentric Winding				
	PL-43	PL-42, -43, -44	Split-section Winding				
	PL-44						

## 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:

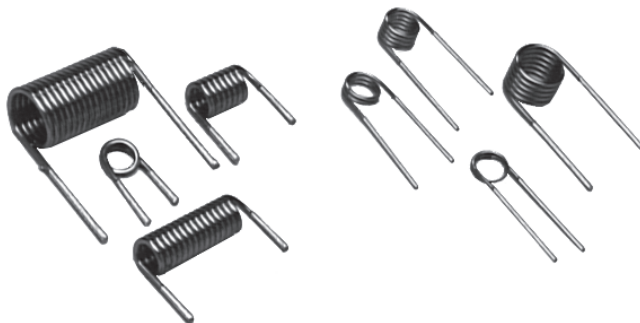
- Inductors
- Switching Converters
- Current Sense Transformers
- Power Transformers

#### 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.

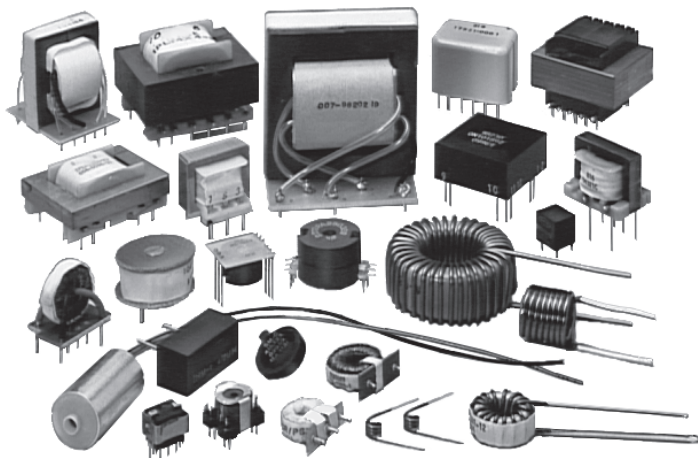
**Wire Gauge:** #18 to #32.

**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.