

SPECIFICATION FOR APPROVAL

<p>CUSTOMER'S APPROVAL CHOP</p> <p>Approval's condition: _____</p> <p>Approved date: _____</p>
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KINDLY RETURN A SET WITH YOUR COMPANY'S OFFICIAL STAMP
ON APPROVAL OF THIS ITEM

CUSTOMER'S NAME: _____

CUSTOMER'S MODEL NO. : _____

CUSTOMER'S PART NO. : _____

DESCRIPTION: Wire Wound SMD Power Inductors

Semitel'S MODEL NO. : SWPAS Series

VERSION: B

DATE: 2021/7/20

- Attachments:**
- Product Specification
 - Sample Qty. :
 - Test Data

Prepared By	Checked By	Approved By
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Revision Record

Version	Revision Date	Revision For Items	Reason For Revision
A	2011/3/15	New Revision	-
B	2023/1/10	Remove SWPAS6020S Series modify the contents of series Add Packageing	-

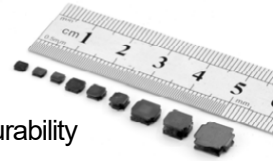
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Wire Wound SMD Power Inductor – SWPAS Series

Operating temperature range: -25°C~+120°C (Including self-heating)

FEATURES

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- Metallization on ferrite core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- 30% higher current rating than conventional inductors of equal size
- Take up less PCB real estate and save more power



APPLICATIONS

- LED Lighting
- Mobile devices with multifunction such as adding color TV and camera
- Flat-screen TVs, blue-ray disc recorders, set top boxes
- Notebooks, desktop computers, servers, graphic cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Automotive systems
- Telecomm base stations

PRODUCT IDENTIFICATION

SWPAS

①

① Type	
SWPAS	Wire Wound SMD Power Inductor

3012

②

③ Feature Type	
S	Standard

S

③

④ Nominal Inductance	
Example	Nominal Value
1R5	1.5μH
100	10μH

⑤ Inductance Tolerance	
N	±30%
M	±20%

⑥ Packing	
T	Tape Carrier Package

1R0

④

N

⑤

I

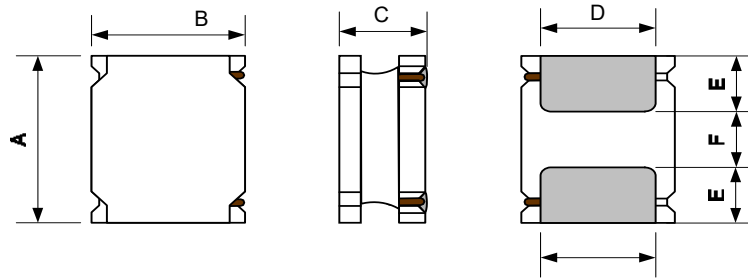
⑥

② External Dimensions(L×W×H) [mm]	
252010	2.5×2.0×1.0
252012	2.5×2.0×1.2
3010	3.0×3.0×1.0
3012	3.0×3.0×1.2
3015	3.0×3.0×1.5
4012	4.0×4.0×1.2
4018	4.0×4.0×1.8
4020	4.0×4.0×2.0
4030	4.0×4.0×3.0
5020	5.0×5.0×2.0
5040	5.0×5.0×4.0
6028	6.0×6.0×2.8
6045	6.0×6.0×4.5
8040	8.0×8.0×4.0

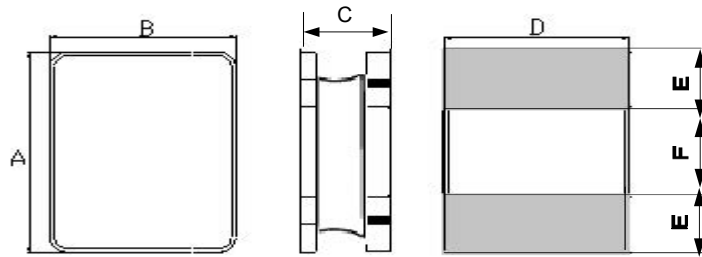
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SHAPE AND DIMENSIONS

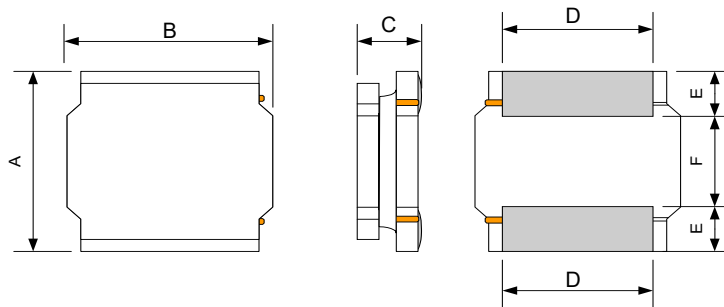
SWPAS252010/5020/6028/6045/8040 Series



SWPAS 252012 Series



SWPAS3010/3012/3015/4018/4030/8040 Series



Unit: mm

Series	A	B	C	D	E
SWPAS252010S	2.5±0.2	2.2±0.2	1.0Max.	1.65REF	0.8REF
SWPAS252012S	2.5±0.3	2.0±0.35	1.2Max.	2.15REF	0.8REF
SWPAS3010S	3.0±0.2	3.0±0.2	1.2MAX.	2.5REF	0.9REF
SWPAS3012S	3.0±0.2	3.0±0.2	1.3Max.	2.85REF	0.9REF
SWPAS3015S	3.0±0.2	3.0±0.2	1.5Max.	2.75REF	0.9REF
SWPAS4012S	4.0±0.2	4.0±0.2	1.35MAX	3.5REF	1.3REF
SWPAS4018S	4.0±0.2	4.0±0.2	1.8Max.	3.4REF	1.4REF
SWPAS4020S	4.0±0.2	4.0±0.2	2.0Max.	3.5REF	1.0REF
SWPAS4030S	4.0±0.2	4.0±0.2	3.0Max.	3.4REF	1.35REF
SWPAS5020S	5.0±0.2	5.0±0.2	2.0Max.	4.0REF	1.35REF
SWPAS5040S	5.0±0.2	5.0±0.2	4.1MAX	4.0REF	1.5REF
SWPAS6028S	6.0±0.2	6.0±0.2	3.0MAX	5.0REF	1.85REF
SWPAS6045S	6.0±0.2	6.0±0.2	4.5Max.	4.9REF	1.65REF
SWPAS8040S	8.0±0.3	8.0±0.3	4.2Max.	6.3REF	2.45REF

SPECIFICATIONS

SWPAS252010S Series

Part Number	Inductance @100KHz,1V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	P	m Ω	m Ω	A	A
Symbol	L	DCR		Isat	Irms
SWPAS252010SR24NT	0.24 \pm 30%	26	21	5.00	4.40
SWPAS252010SR33NT	0.33 \pm 30%	35	25	4.80	4.00
SWPAS252010SR47NT	0.47 \pm 30%	45	33	4.40	3.40
SWPAS252010SR56NT	0.56 \pm 30%	48	39	3.80	3.10
SWPAS252010SR68NT	0.68 \pm 30%	59	46	3.20	3.00
SWPAS252010S1R0MT	1.0 \pm 20%	76	60	3.10	2.60
SWPAS252010S1R5MT	1.5 \pm 20%	106	82	2.60	2.00
SWPAS252010S2R2MT	2.2 \pm 20%	155	112	1.90	1.80
SWPAS252010S3R3MT	3.3 \pm 20%	235	175	1.60	1.50
SWPAS252010S4R7MT	4.7 \pm 20%	176	230	1.30	1.20
SWPAS252010S6R8MT	6.8 \pm 20%	430	360	1.10	1.00
SWPAS252010S100MT	10 \pm 20%	520	465	0.90	0.85

SWPAS252012S Series

Part Number	Inductance @100KHz,1V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	m Ω	m Ω	A	A
Symbol	L	DCR		Isat	Irms
SWPAS252012SR24NT	0.24 \pm 30%	28	20	4.05	3.50
SWPAS252012SR33NT	0.33 \pm 30%	40	31	4.00	3.00
SWPAS252012SR47NT	0.47 \pm 30%	40	31	3.60	2.90
SWPAS252012SR56NT	0.56 \pm 30%	40	31	3.30	2.80
SWPAS252012SR68NT	0.68 \pm 30%	45	36	3.28	2.60
SWPAS252012S1R0MT	1.0 \pm 30%	60	50	2.45	2.40
SWPAS252012S1R5MT	1.5 \pm 20%	84	73	2.05	1.90
SWPAS252012S2R2MT	2.2 \pm 20%	110	93	1.90	1.80
SWPAS252012S3R3MT	3.3 \pm 20%	155	132	1.50	1.40
SWPAS252012S4R7MT	4.7 \pm 20%	228	205	1.35	1.20
SWPAS252012S6R8MT	6.8 \pm 20%	325	266	1.00	0.90
SWPAS252012S100MT	10 \pm 20%	480	400	0.79	0.75
SWPAS252012S150MT	15 \pm 20%	625	522	0.65	0.55
SWPAS252012S180MT	18 \pm 20%	1000	855	0.55	0.50
SWPAS252012S220MT	22 \pm 20%	1020	870	0.50	0.45
SWPAS252012S330MT	33 \pm 20%	1400	1300	0.38	0.37
SWPAS252012S470MT	47 \pm 20%	2000	1550	0.30	0.29

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SWPAS3010S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		mΩ	mΩ		
Units	μH				
Symbol	L	Max.	Typ.	Isat	Irms
SWPAS3010S1R0MT	1.0±20%	80	60	2.30	2.10
SWPAS3010S1R5MT	1.5±20%	100	75	2.10	2.00
SWPAS3010S2R2MT	2.2±20%	140	115	1.60	1.50
SWPAS3010S3R3MT	3.3±20%	189	160	1.30	1.20
SWPAS3010S4R7MT	4.7±20%	280	215	1.10	1.00
SWPAS3010S6R8MT	6.8±20%	380	300	0.95	0.90
SWPAS3010S100MT	10±20%	520	465	0.75	0.70
SWPAS3010S150MT	15±20%	850	750	0.60	0.50
SWPAS3010S220MT	22±20%	1300	1000	0.50	0.45
SWPAS3010S330MT	33±20%	2050	1600	0.40	0.35
SWPAS3010S470MT	47±20%	2500	2000	0.35	0.30

SWPAS3012S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	mΩ	mΩ	A	A
Symbol	L	DCR		Isat	Irms
SWPAS3012SR22NT	0.22±30%	30	22	5.30	3.50
SWPAS3012SR82NT	0.82±30%	46	36	2.30	2.20
SWPAS3012S1R0MT	1.0±20%	60	50	2.00	1.95
SWPAS3012S1R2MT	1.2±20%	72	58	1.80	1.75
SWPAS3012S1R5MT	1.5±20%	72	58	1.60	1.55
SWPAS3012S1R8MT	1.8±20%	95	75	1.50	1.45
SWPAS3012S2R2MT	2.2±20%	105	85	1.40	1.35
SWPAS3012S2R4MT	2.4±20%	110	88	1.30	1.25
SWPAS3012S2R7MT	2.7±20%	110	88	1.14	1.10
SWPAS3012S3R3MT	3.3±20%	130	98	1.05	1.00
SWPAS3012S3R6MT	3.6±20%	156	138	1.05	1.00
SWPAS3012S3R9MT	3.9±20%	156	138	1.00	0.95
SWPAS3012S4R7MT	4.7±20%	156	138	0.90	0.85
SWPAS3012S5R6MT	5.6±20%	226	175	0.80	0.75
SWPAS3012S6R8MT	6.8±20%	247	190	0.75	0.70
SWPAS3012S100MT	10±20%	345	290	0.60	0.55
SWPAS3012S120MT	12±20%	480	400	0.50	0.45
SWPAS3012S150MT	15±20%	492	410	0.45	0.43
SWPAS3012S180MT	18±20%	709	570	0.43	0.42
SWPAS3012S220MT	22±20%	839	700	0.42	0.40
SWPAS3012S270MT	27±20%	1100	760	0.35	0.34
SWPAS3012S330MT	33±20%	1130	880	0.34	0.32
SWPAS3012S360MT	36±20%	1200	930	0.33	0.30
SWPAS3012S390MT	39±20%	1700	1200	0.30	0.28
SWPAS3012S470MT	47±20%	1800	1350	0.27	0.26
SWPAS3012S560MT	56±20%	1900	1500	0.26	0.25
SWPAS3012S680MT	68±20%	2150	1700	0.24	0.22
SWPAS3012S820MT	82±20%	3200	2500	0.21	0.20
SWPAS3012S101MT	100±20%	3600	2900	0.20	0.18

SWPAS3015S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	DCR		I_{sat}	I_{rms}
SWPAS3015S1R0MT	1.0±20%	48	40	2.80	2.50
SWPAS3015S1R5MT	1.5±20%	65	50	2.10	2.00
SWPAS3015S2R2MT	2.2±20%	78	65	1.60	1.50
SWPAS3015S3R3MT	3.3±20%	104	90	1.30	1.20
SWPAS3015S4R7MT	4.7±20%	160	135	1.20	1.10
SWPAS3015S6R8MT	6.8±20%	234	206	0.85	0.80
SWPAS3015S100MT	10±20%	330	260	0.70	0.60
SWPAS3015S150MT	15±20%	430	350	0.60	0.50
SWPAS3015S220MT	22±20%	580	480	0.55	0.50
SWPAS3015S330MT	33±20%	1050	835	0.44	0.40
SWPAS3015S470MT	47±20%	1500	1150	0.35	0.30
SWPAS3015S680MT	68±20%	2400	1850	0.26	0.25
SWPAS3015S101MT	100±20%	3900	3100	0.20	0.18

SWPAS4012S Series

Part Number	Inductance @1MHz/1V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	DCR		I_{sat}	I_{rms}
SWPAS4012SR33NT	0.33±30%	32	26	8.00	4.50
SWPAS4012SR47NT	0.47±30%	40	32	7.50	4.20
SWPAS4012SR68NT	0.68±30%	40	32	5.00	4.10
SWPAS4012S1R0MT	1.0±20%	58	48	4.50	3.50
SWPAS4012S1R2MT	1.2±20%	64	56	4.00	3.20
SWPAS4012S1R5MT	1.5±20%	70	60	3.90	2.60
SWPAS4012S2R2MT	2.2±20%	79	70	2.80	2.50
SWPAS4012S3R3MT	3.3±20%	125	110	2.00	1.90
SWPAS4012S4R7MT	4.7±20%	166	150	1.80	1.70
SWPAS4012S6R8MT	6.8±20%	226	200	1.60	1.50
SWPAS4012S100MT	10±20%	335	300	1.50	1.30
SWPAS4012S220MT	22±20%	679	620	0.90	0.85

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SWPAS4018S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	DCR		Isat	Irms
SWPAS4018SR56NT	0.56±30%	24	16	5.00	4.80
SWPAS4018S1R0MT	1.0±20%	32	25	4.50	3.50
SWPAS4018S1R2MT	1.2±20%	45	35	4.00	3.00
SWPAS4018S2R2MT	2.2±20%	58	47	3.00	2.60
SWPAS4018S3R3MT	3.3±20%	84	70	2.15	2.00
SWPAS4018S4R7MT	4.7±20%	115	88	2.00	1.80
SWPAS4018S5R6MT	5.6±20%	125	100	1.70	1.65
SWPAS4018S6R8MT	6.8±20%	135	110	1.60	1.50
SWPAS4018S100MT	10±20%	220	170	1.40	1.30
SWPAS4018S150MT	15±20%	325	270	0.95	0.90
SWPAS4018S220MT	22±20%	450	365	0.80	0.75
SWPAS4018S330MT	33±20%	680	550	0.75	0.70
SWPAS4018S470MT	47±20%	845	780	0.65	0.55
SWPAS4018S680MT	68±20%	1300	1000	0.52	0.50
SWPAS4018S101MT	100±20%	1900	1500	0.42	0.40
SWPAS4018S151MT	150±20%	3000	2300	0.36	0.34
SWPAS4018S221MT	220±20%	4800	4200	0.30	0.25

SWPAS4020S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	DCR		Isat	Irms
SWPAS4020SR47NT	0.47±30%	22	16	10.00	7.00
SWPAS4020S1R0MT	1.0±20%	26	22	8.50	5.10
SWPAS4020S1R5MT	1.5±20%	36	32	7.20	4.50
SWPAS4020S2R2MT	2.2±20%	48	44	6.10	4.20
SWPAS4020S3R3MT	3.3±20%	72	64	4.20	3.50
SWPAS4020S4R7MT	4.7±20%	108	95	4.00	2.50
SWPAS4020S6R8MT	6.8±20%	156	135	3.00	2.10
SWPAS4020S100MT	10±20%	216	180	2.80	1.70

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SWPAS4030S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	DCR		Isat	Irms
SWPAS4030S1R0NT	1.0±30%	28	22	5.50	4.50
SWPAS4030S1R5MT	1.5±20%	41	34	5.00	3.50
SWPAS4030S2R2MT	2.2±20%	46	40	4.80	3.00
SWPAS4030S3R3MT	3.3±20%	65	56	4.00	2.40
SWPAS4030S4R7MT	4.7±20%	78	68	3.40	2.30
SWPAS4030S6R8MT	6.8±20%	125	102	2.50	2.00
SWPAS4030S100MT	10±20%	155	124	2.20	1.70
SWPAS4030S150MT	15±20%	260	215	1.80	1.20
SWPAS4030S220MT	22±20%	292	260	1.60	1.10
SWPAS4030S330MT	33±20%	465	385	1.20	0.95
SWPAS4030S470MT	47±20%	598	525	1.10	0.80
SWPAS4030S560MT	56±20%	694	620	0.88	0.75
SWPAS4030S680MT	68±20%	1087	950	0.77	0.60
SWPAS4030S101MT	100±20%	1440	1250	0.70	0.55
SWPAS4030S151MT	150±20%	1820	1550	0.50	0.45
SWPAS4030S221MT	220±20%	4500	3900	0.40	0.30

SWPAS5020S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ\text{C}$
		Max.	Typ.		
Units	μH	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	DCR		Isat	Irms
SWPAS5020S1R0NT	1.0±30%	26	23	4.40	4.20
SWPAS5020S1R5NT	1.5±30%	34	28	4.20	4.10
SWPAS5020S2R2NT	2.2±30%	49	40	3.80	3.20
SWPAS5020S3R3MT	3.3±20%	58	50	3.20	3.10
SWPAS5020S4R7MT	4.7±20%	78	68	2.50	2.40
SWPAS5020S6R8MT	6.8±20%	106	86	2.20	2.10
SWPAS5020S100MT	10±20%	150	124	1.50	1.40
SWPAS5020S150MT	15±20%	220	180	1.40	1.30
SWPAS5020S220MT	22±20%	294	260	1.15	1.10
SWPAS5020S270MT	27±20%	390	330	1.10	1.00
SWPAS5020S330MT	33±20%	462	390	1.00	0.60
SWPAS5020S470MT	47±20%	630	525	0.85	0.80
SWPAS5020S680MT	68±20%	800	630	0.60	0.55
SWPAS5020S101MT	100±20%	1320	1110	0.55	0.50
SWPAS5020S221MT	220±20%	2860	2400	0.35	0.30
SWPAS5020S102MT	1000±20%	18000	12500	0.15	0.14

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SWPAS5040S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ C$
		Max.	Typ.		
Units	μH	m Ω	m Ω	A	A
Symbol	L	DCR		Isat	Irms
SWPAS5040S1R0NT	1.0±30%	18	14	7.50	6.00
SWPAS5040S1R5NT	1.5±30%	25	20	5.50	5.40
SWPAS5040S2R2MT	2.2±20%	26	22	4.90	4.80
SWPAS5040S3R3MT	3.3±20%	33	26	4.00	3.60
SWPAS5040S4R7MT	4.7±20%	42	35	3.50	3.40
SWPAS5040S6R8MT	6.8±20%	56	46	2.90	2.80
SWPAS5040S100MT	10±20%	78	63	2.30	2.20
SWPAS5040S150MT	15±20%	104	95	2.00	1.90
SWPAS5040S220MT	22±20%	166	138	1.60	1.50
SWPAS5040S270MT	27±20%	200	165	1.40	1.30
SWPAS5040S330MT	33±20%	228	190	1.30	1.20
SWPAS5040S470MT	47±20%	370	305	1.10	1.00
SWPAS5040S560MT	56±20%	410	340	1.00	0.95
SWPAS5040S680MT	68±20%	600	435	0.85	0.80
SWPAS5040S101MT	100±20%	700	550	0.70	0.60
SWPAS5040S221MT	220±20%	2250	1800	0.40	0.35

SWPAS6028S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ C$
		Max.	Typ.		
Units	μH	m Ω	m Ω	A	A
Symbol	L	DCR		Isat	Irms
SWPAS6028S1R0NT	1.0±30%	18	14	7.50	6.00
SWPAS6028S1R5NT	1.5±30%	25	20	5.50	5.40
SWPAS6028S2R2MT	2.2±20%	26	22	4.90	4.80
SWPAS6028S3R3MT	3.3±20%	33	26	4.00	3.60
SWPAS6028S4R7MT	4.7±20%	42	35	3.50	3.40
SWPAS6028S6R8MT	6.8±20%	56	46	2.90	2.80
SWPAS6028S100MT	10±20%	78	63	2.30	2.20
SWPAS6028S150MT	15±20%	104	95	2.00	1.90
SWPAS6028S220MT	22±20%	166	138	1.60	1.50
SWPAS6028S270MT	27±20%	200	165	1.40	1.30
SWPAS6028S330MT	33±20%	228	190	1.30	1.20
SWPAS6028S470MT	47±20%	370	305	1.10	1.00
SWPAS6028S560MT	56±20%	410	340	1.00	0.95
SWPAS6028S680MT	68±20%	600	435	0.85	0.80
SWPAS6028S101MT	100±20%	700	550	0.70	0.60
SWPAS6028S221MT	220±20%	2250	1800	0.40	0.35

Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		

SWPAS6045S Series

Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ C$
		Max.	Typ.		
Units	μH	m Ω	m Ω	A	A
Symbol	L	DCR		Isat	Irms
SWPAS6045S1R0MT	1.0±20%	14	11	9.85	7.00
SWPAS6045S1R5MT	1.5±20%	16	13	9.00	6.00
SWPAS6045S1R8MT	1.8±20%	16	13	7.00	5.50
SWPAS6045S2R2MT	2.2±20%	23	18	6.90	5.40
SWPAS6045S3R3MT	3.3±20%	27	21	5.90	4.50
SWPAS6045S4R7MT	4.7±20%	35	30	5.30	4.20
SWPAS6045S5R6MT	5.6±20%	36	30	4.30	4.10
SWPAS6045S6R8MT	6.8±20%	40	34	4.20	4.00
SWPAS6045S8R2MT	8.2±20%	60	48	3.50	3.20
SWPAS6045S100MT	10±20%	66	55	3.30	3.10
SWPAS6045S120MT	12±20%	78	66	3.00	2.80
SWPAS6045S150MT	15±20%	88	80	2.70	2.60
SWPAS6045S220MT	22±20%	138	115	2.20	2.10
SWPAS6045S270MT	27±20%	156	130	2.10	1.90
SWPAS6045S330MT	33±20%	182	160	1.70	1.50
SWPAS6045S470MT	47±20%	260	225	1.65	1.40
SWPAS6045S680MT	68±20%	380	340	1.40	1.10
SWPAS6045S101MT	100±20%	550	500	1.00	0.95
SWPAS6045S121MT	120±20%	605	550	0.95	0.90
SWPAS6045S151MT	150±20%	750	650	0.80	0.75
SWPAS6045S221MT	220±20%	1040	860	0.75	0.70
SWPAS6045S331MT	330±20%	2200	1800	0.55	0.45
SWPAS6045S471MT	470±20%	2650	2150	0.50	0.40
SWPAS6045S681MT	680±20%	3800	3100	0.40	0.35
SWPAS6045S102MT	1000±20%	6500	5200	0.32	0.30

Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
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SWPAS8040S Series

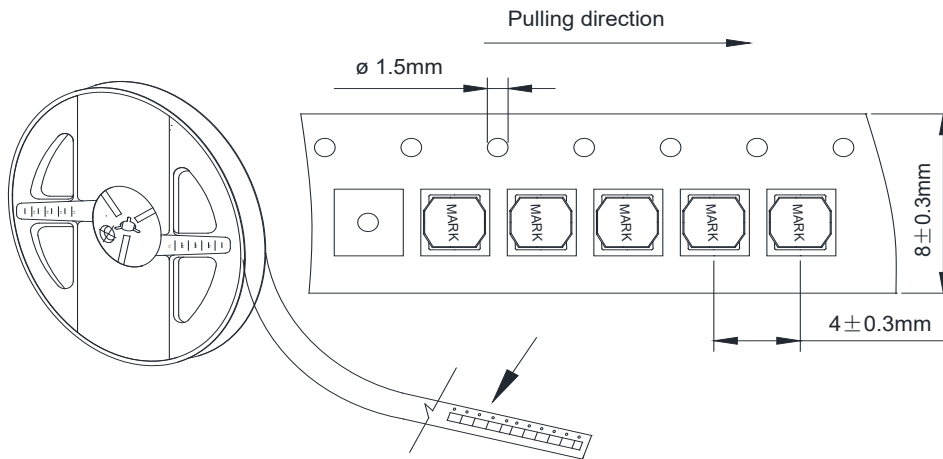
Part Number	Inductance @100KHZ/0.25V	DC Resistance		Saturation Current $\Delta L/L0 \leq 30\%$	Heat Rating Current $\Delta T \leq 40^\circ C$
		Max.	Typ.		
Units	μH	m Ω	m Ω	A	A
Symbol	L	DCR		Isat	Irms
SWPAS8040S1R0NT	1.0±30%	9	6	12.00	8.50
SWPAS8040S1R5NT	1.5±30%	12	8	9.50	7.50
SWPAS8040S2R2NT	2.2±30%	14	10	9.00	7.00
SWPAS8040S3R3NT	3.3±30%	20	15	8.00	6.00
SWPAS8040S4R7NT	4.7±30%	22	18	6.20	5.00
SWPAS8040S6R8MT	6.8±20%	30	25	5.00	4.50
SWPAS8040S100MT	10±20%	50	40	4.50	3.50
SWPAS8040S150MT	15±20%	60	50	3.20	3.00
SWPAS8040S220MT	22±20%	84	70	2.80	2.60
SWPAS8040S330MT	33±20%	135	110	2.20	2.00
SWPAS8040S470MT	47±20%	180	140	2.00	1.90
SWPAS8040S680MT	68±20%	254	210	1.60	1.50
SWPAS8040S101MT	100±20%	360	300	1.25	1.20
SWPAS8040S221MT	220±20%	780	680	0.90	0.80
SWPAS8040S331MT	330±20%	1150	1000	0.70	0.65
SWPAS8040S471MT	470±20%	1900	1500	0.65	0.60
SWPAS8040S681MT	680±20%	2650	2200	0.55	0.50
SWPAS8040S102MT	1000±20%	3600	2850	0.40	0.35

Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
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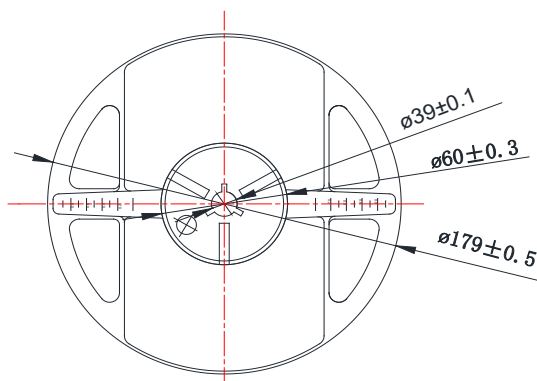
Packaging, Storage and Transportation

- (1) Tape carrier packaging are specified in attached figure
- (2) Tape carrier packaging quantity:

Type	Standard Quantity (pcs/reel)
SWPAS252010	2000
SWPAS252012	2000
SWPAS3010	2000
SWPAS3012	2000
SWPAS3015	2000



*Reel Dimension (mm)

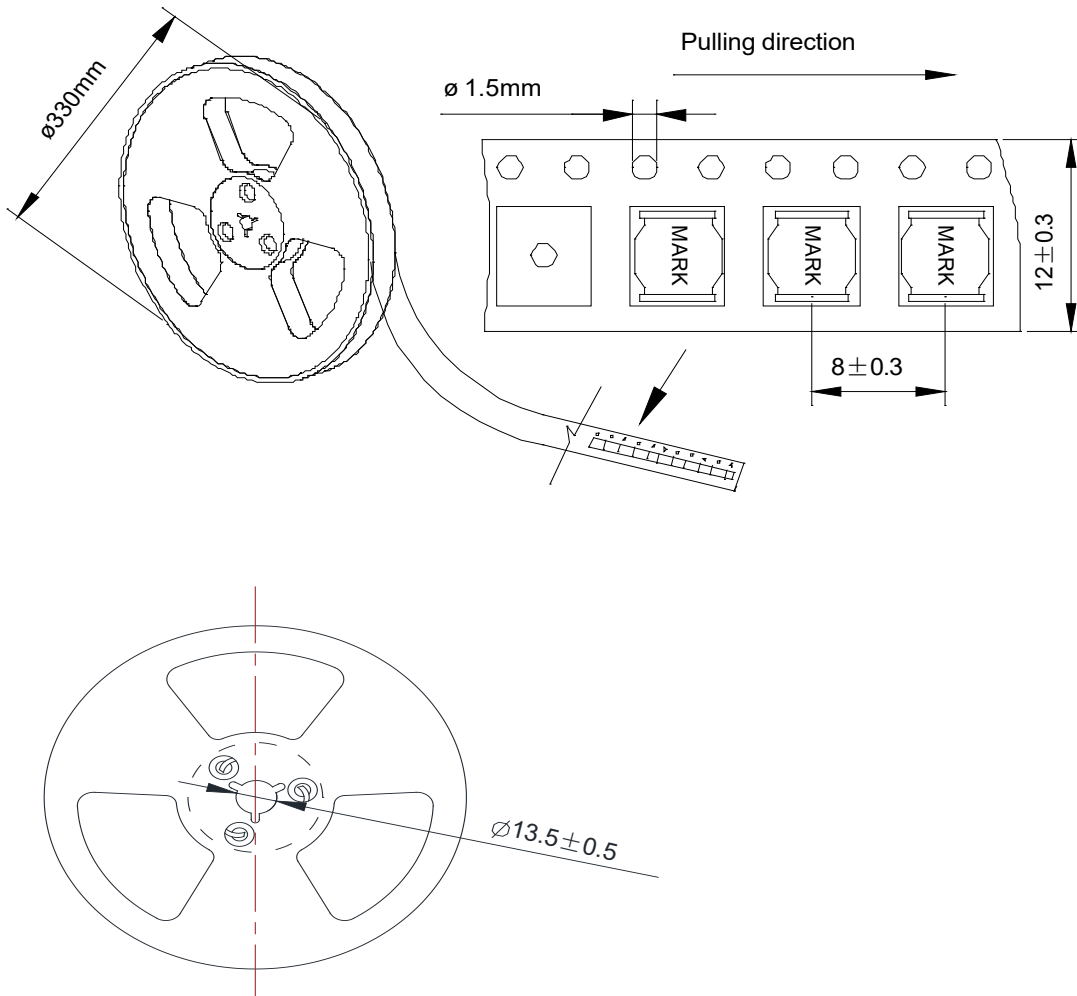


Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		

Packaging, Storage and Transportation

- (1) Tape carrier packaging are specified in attached figure
- (2) Tape carrier packaging quantity:

Type	Standard Quantity (pcs/reel)	Type	Standard Quantity (pcs/reel)
SWPAS4012	4500	SWPAS5040	1500
SWPAS4018	3000	SWPAS6028	2000
SWPAS4020	3000	SWPAS6045	1500
SWPAS4030	2000	SWPAS8040	1000
SWPAS5020	2500		

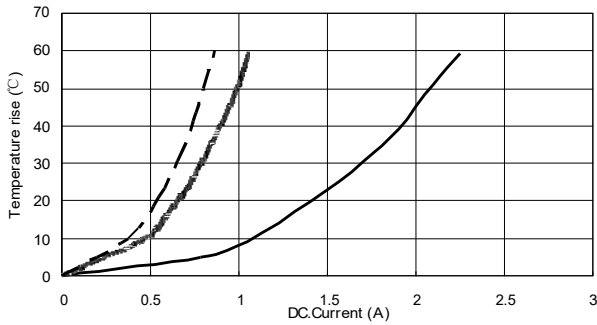


Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		

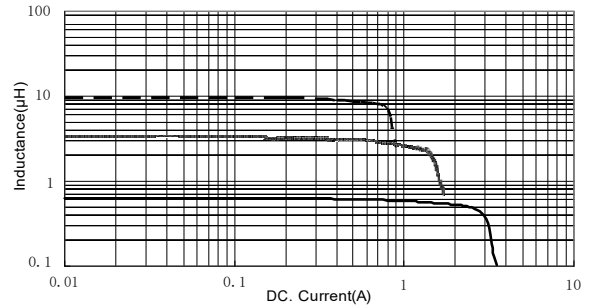
TYPICAL ELECTRICAL CHARACTERISTICS

SWPAS252010S Series

Temperature vs. DC Current Characteristics

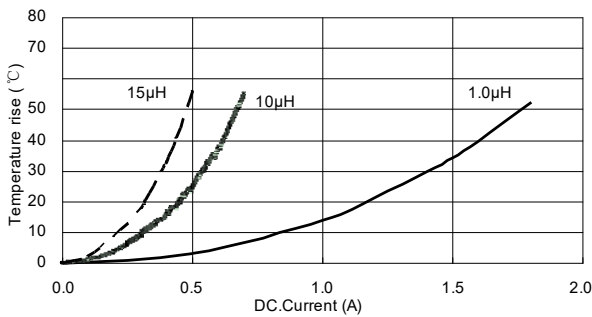


Inductance vs. DC Current Characteristics

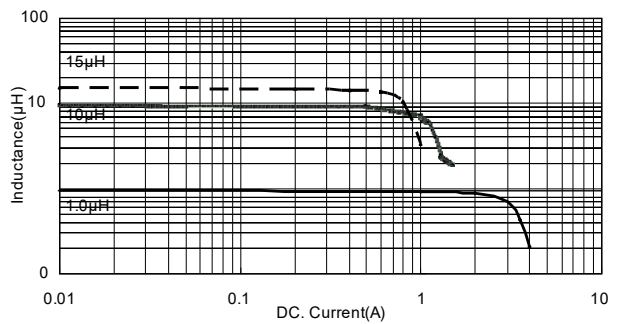


SWPAS252012S Series

Temperature vs. DC Current Characteristics

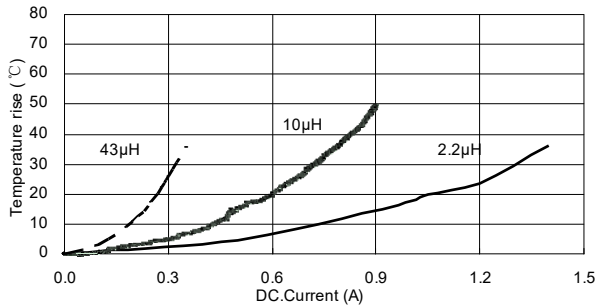


Inductance vs. DC Current Characteristics

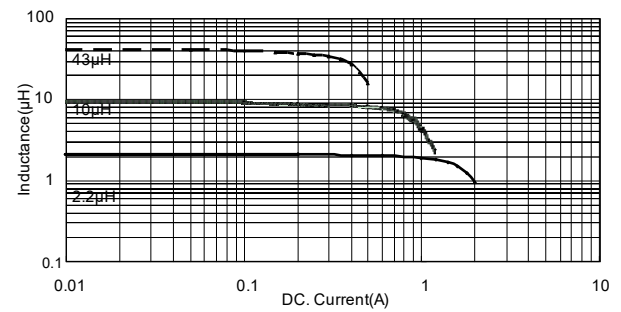


SWPAS3010S Series

Temperature vs. DC Current Characteristics

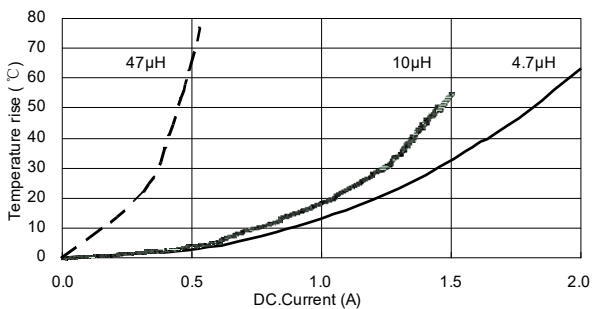


Inductance vs. DC Current Characteristics

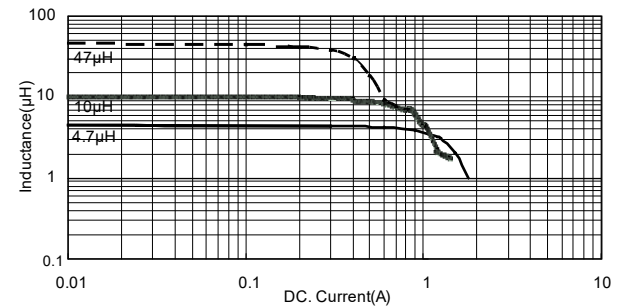


SWPAS3012S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics

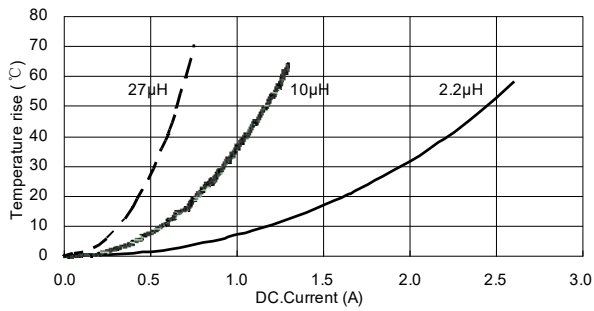


Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		

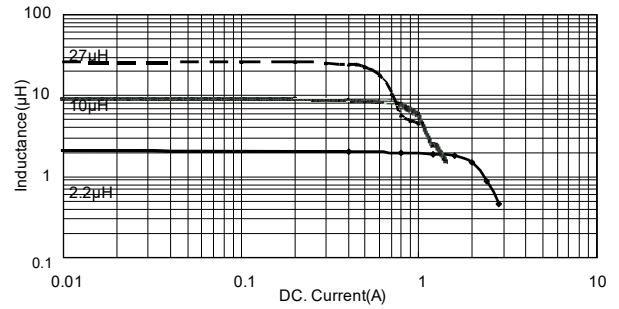
TYPICAL ELECTRICAL CHARACTERISTICS

SWPAS3015S Series

Temperature vs. DC Current Characteristics

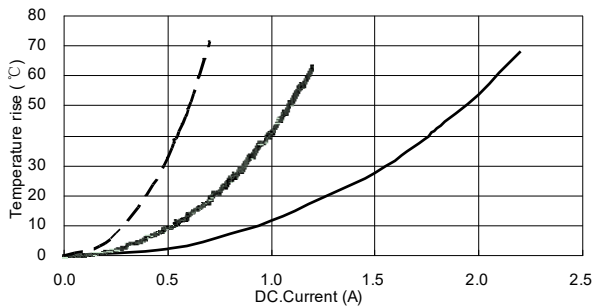


Inductance vs. DC Current Characteristics

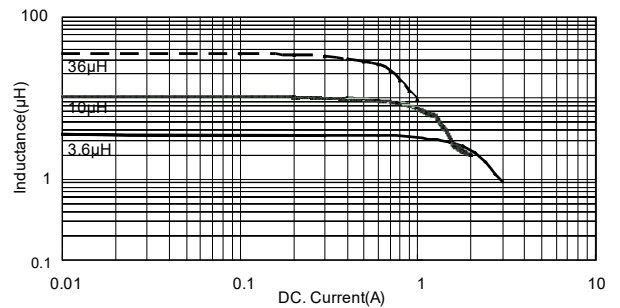


SWPAS4012S Series

Temperature vs. DC Current Characteristics

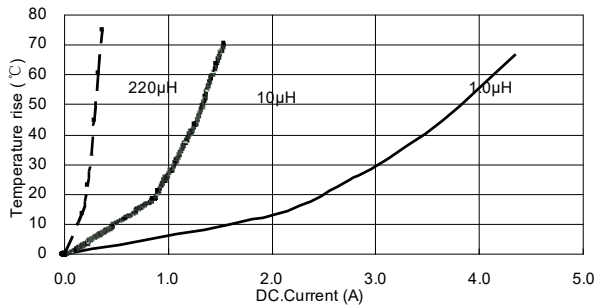


Inductance vs. DC Current Characteristic

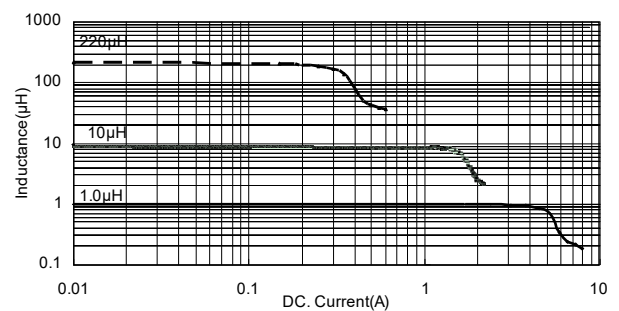


SWPAS4018S Series

Temperature vs. DC Current Characteristics

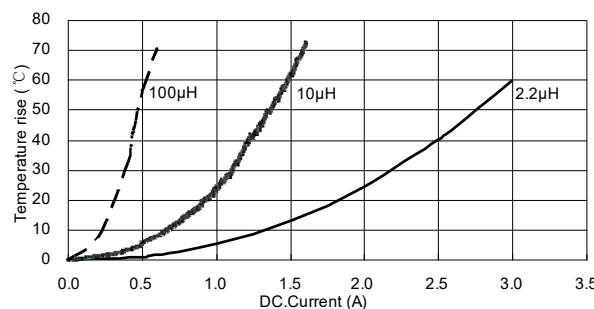


Inductance vs. DC Current Characteristics

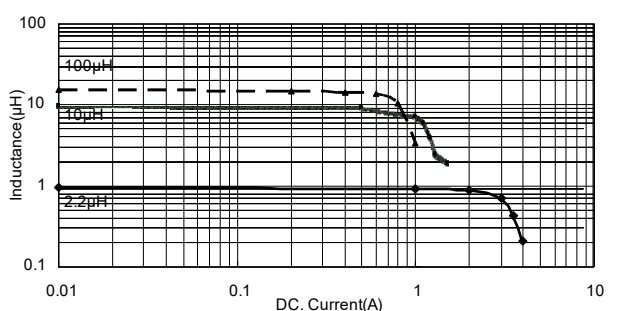


SWPAS4020S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics

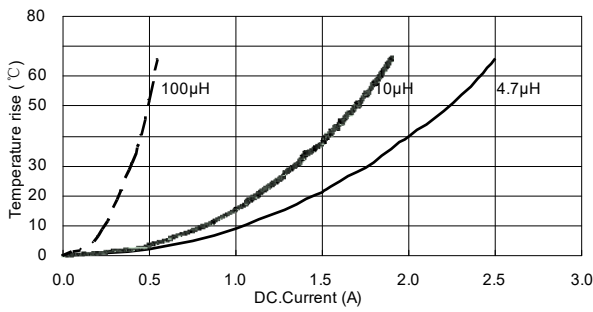


Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		

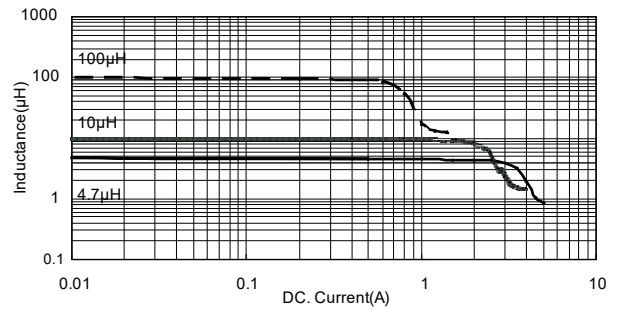
TYPICAL ELECTRICAL CHARACTERISTICS

SWPAS4030S Series

Temperature vs. DC Current Characteristics

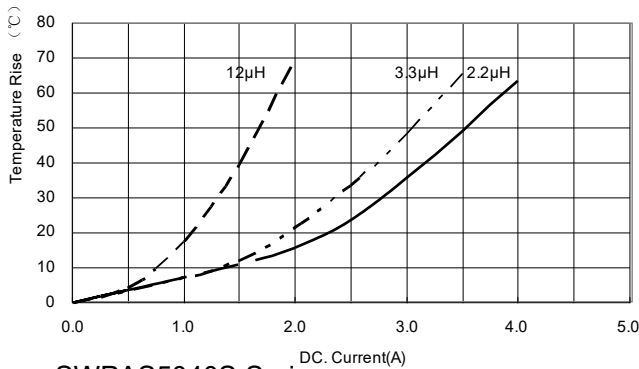


Inductance vs. DC Current Characteristics

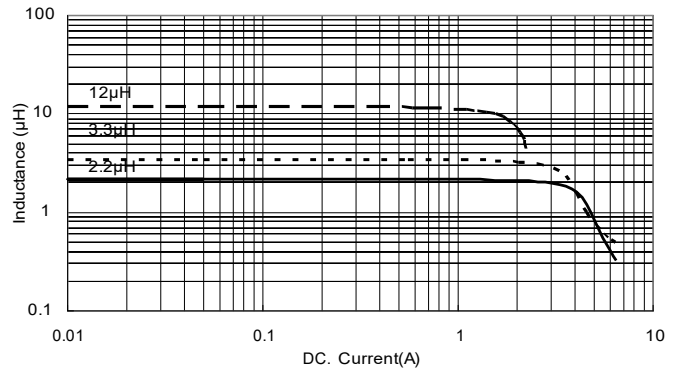


SWPAS5020S Series

Temperature vs. DC Current Characteristics

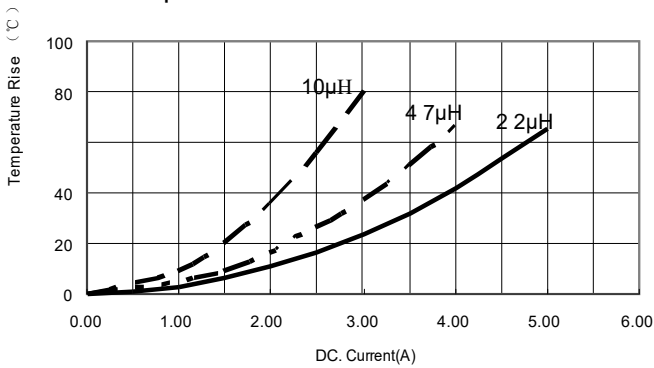


Inductance vs. DC Current Characteristics

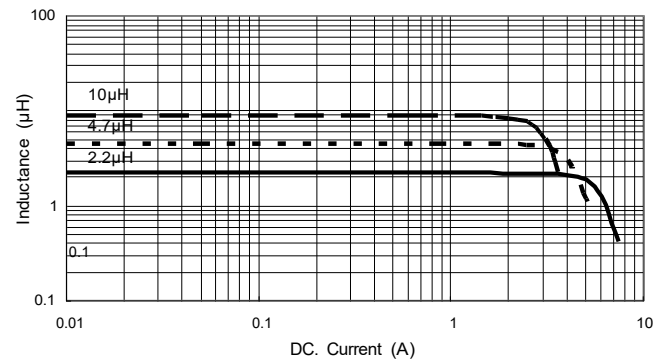


SWPAS5040S Series

Temperature vs. DC Current Characteristics

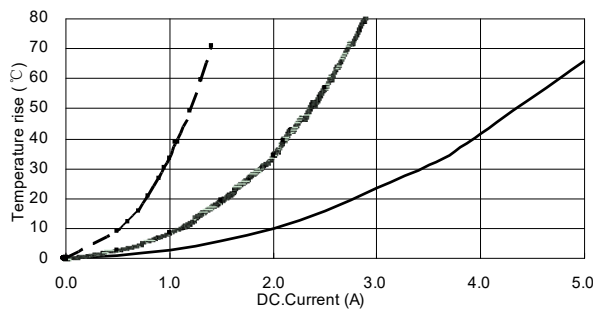


Inductance vs. DC Current Characteristics

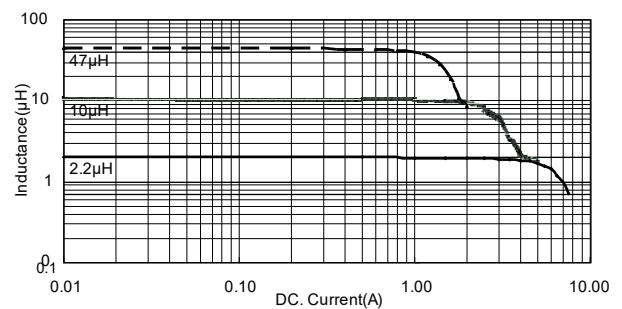


SWPAS6028S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics

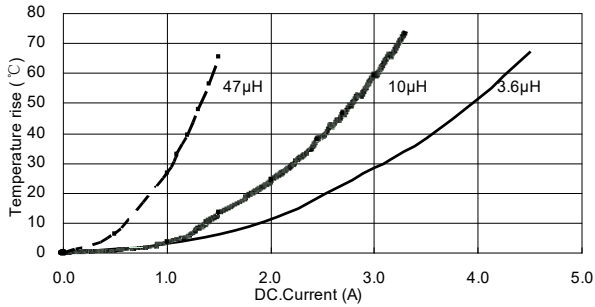


Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		

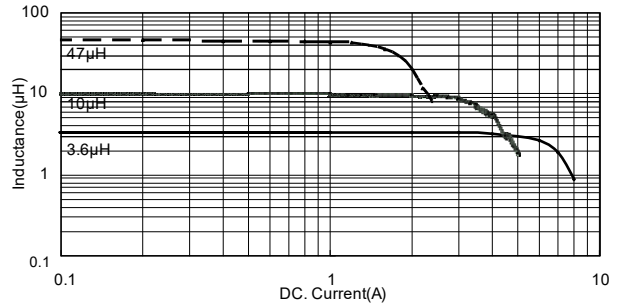
TYPICAL ELECTRICAL CHARACTERISTICS

SWPAS6045S Series

Temperature vs. DC Current Characteristics

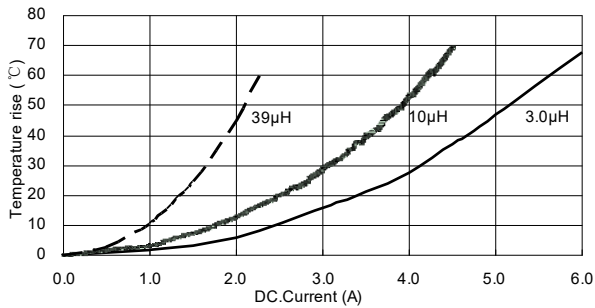


Inductance vs. DC Current Characteristics

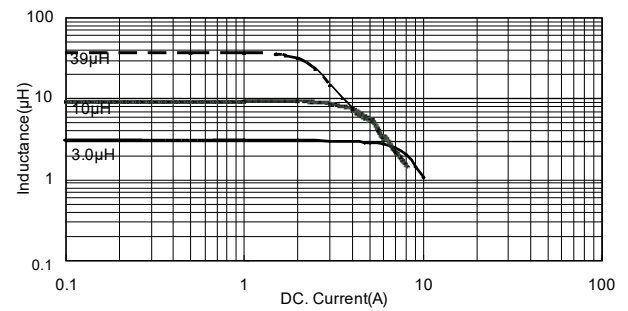


SWPAS8040S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



Semitel'S MODEL NO. :	SWPAS Series	CUSTOMER'S MODEL NO. :	
VERSION:	B	CUSTOMER'S PART NO. :	
DATE:	2023/1/10		