

SHAPE AND DIMENSIONS

Fig.1

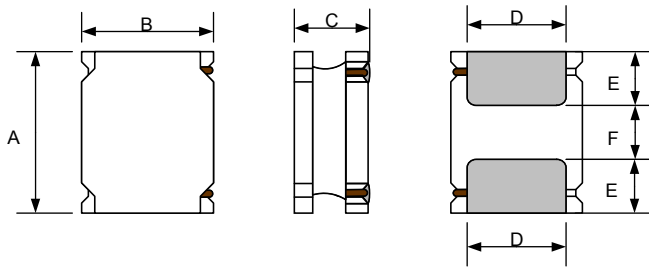


Fig.2

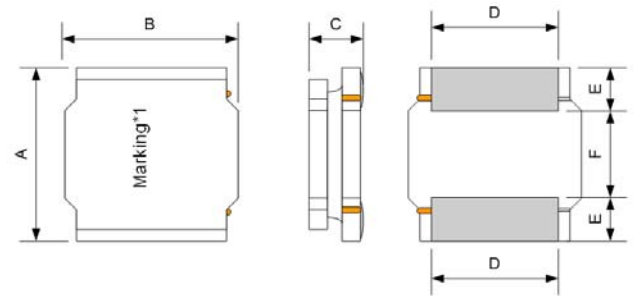
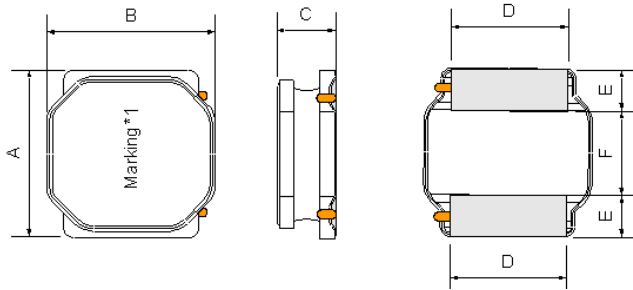
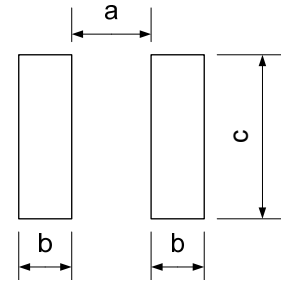


Fig.3



Recommended Land Pattern



Unit: mm

Series	Shape	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
SWPA252010S	Fig.1	2.5±0.1	2.0±0.1	1.0 Max.	1.5±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
SWPA252012S	Fig.1	2.5±0.1	2.0±0.1	1.2 Max.	1.5±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
SWPA3010S	Fig.2	3.0±0.2	3.0±0.2	1.0 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
SWPA3012S	Fig.2	3.0±0.2	3.0±0.2	1.2 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
SWPA3015S	Fig.2	3.0±0.2	3.0±0.2	1.5 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
SWPA4010S	Fig.2	4.0±0.2	4.0±0.2	1.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
SWPA4012S	Fig.2	4.0±0.2	4.0±0.2	1.2 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
SWPA4018S	Fig.2	4.0±0.2	4.0±0.2	1.8 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
SWPA4020S	Fig.2	4.0±0.2	4.0±0.2	2.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
SWPA4026S	Fig.2	4.0±0.2	4.0±0.2	2.6 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
SWPA4030S	Fig.2	4.0±0.2	4.0±0.2	3.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
SWPA5012S	Fig.3	5.0±0.2	5.0±0.2	1.2 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
SWPA5020S	Fig.3	5.0±0.2	5.0±0.2	2.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
SWPA5040S	Fig.3	5.0±0.2	5.0±0.2	4.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
SWPA6010S	Fig.2	6.0±0.3	6.0±0.3	1.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
SWPA6012S	Fig.2	6.0±0.3	6.0±0.3	1.2 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
SWPA6020S	Fig.2	6.0±0.3	6.0±0.3	2.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
SWPA6028S	Fig.2	6.0±0.3	6.0±0.3	2.8 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
SWPA6045S	Fig.2	6.0±0.3	6.0±0.3	4.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
SWPA8040S	Fig.3	8.0±0.3	8.0±0.3	4.2 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
SWPA8050S	Fig.3	8.0±0.3	8.0±0.3	5.0 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
SWPA8065S	Fig.3	8.0±0.3	8.0±0.3	6.5 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5

※*1: All products are printed with Marking except the 252010S, 252012S, 3010S, 3012S and 3015S series.

SPECIFICATIONS

SWPA252010S Series

Part Number	Inductance @100kHz, 1V	DC Resistance		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
-	-	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
SWPA252010SR47NT	0.47±30%	0.056	0.047	206	2.50	3.35	2.35	2.56
SWPA252010SR56NT	0.56±30%	0.072	0.060	160	2.90	3.20	2.00	2.18
SWPA252010SR68NT	0.68±30%	0.074	0.062	129	2.20	2.75	2.00	2.18
SWPA252010S1R0NT	1.0±30%	0.108	0.090	100	1.85	2.20	1.65	1.80
SWPA252010S1R5NT	1.5±30%	0.182	0.152	81	1.80	2.10	1.30	1.42
SWPA252010S2R2NT	2.2±30%	0.209	0.174	61	1.20	1.60	1.20	1.31
SWPA252010S3R3MT	3.3±20%	0.328	0.273	47	1.05	1.30	0.90	0.98
SWPA252010S4R7MT	4.7±20%	0.563	0.469	42	0.95	1.15	0.70	0.76
SWPA252010S5R6MT	5.6±20%	0.563	0.469	35	0.80	0.95	0.73	0.80
SWPA252010S6R8MT	6.8±20%	0.896	0.747	31	0.78	0.92	0.59	0.64
SWPA252010S100MT	10±20%	1.092	0.910	27	0.65	0.78	0.50	0.55

SWPA252012S Series

Part Number	Inductance @100kHz, 1V	DC Resistance		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
-	-	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
SWPA252012SR47NT	0.47±30%	0.061	0.047	160	3.82	4.27	2.15	2.34
SWPA252012SR68NT	0.68±30%	0.074	0.057	140	3.28	3.68	1.95	2.13
SWPA252012S1R0NT	1.0±30%	0.090	0.069	110	2.59	2.90	1.93	2.10
SWPA252012S1R2NT	1.2±30%	0.129	0.099	100	2.38	2.67	1.46	1.59
SWPA252012S1R5MT	1.5±20%	0.147	0.113	97	2.24	2.51	1.40	1.53
SWPA252012S1R5NTY01	1.5±30%	0.130	0.100	63	1.80	2.0	1.45	1.58
SWPA252012S2R2MT	2.2±20%	0.216	0.166	69	1.85	2.07	1.15	1.25
SWPA252012S2R2NTY02	2.2±30%	0.153	0.118	53	1.55	1.75	1.30	1.42
SWPA252012S2R7MT	2.7±20%	0.239	0.184	63	1.72	1.92	1.09	1.19
SWPA252012S3R3MT	3.3±20%	0.264	0.203	62	1.61	1.80	1.04	1.13
SWPA252012S3R6MT	3.6±20%	0.348	0.268	53	1.46	1.64	0.90	0.98
SWPA252012S4R3MT	4.3±20%	0.377	0.290	51	1.37	1.53	0.87	0.95
SWPA252012S4R7MT	4.7±20%	0.377	0.290	47	1.12	1.25	0.84	0.92
SWPA252012S5R1MT	5.1±20%	0.500	0.385	44	1.23	1.37	0.75	0.82
SWPA252012S5R6MT	5.6±20%	0.538	0.414	38	1.11	1.25	0.73	0.80
SWPA252012S6R2MT	6.2±20%	0.542	0.417	38	1.03	1.16	0.73	0.80
SWPA252012S6R8MT	6.8±20%	0.581	0.447	38	0.98	1.09	0.69	0.75
SWPA252012S7R5MT	7.5±20%	0.611	0.470	35	0.97	1.09	0.68	0.74
SWPA252012S8R2MT	8.2±20%	0.658	0.506	36	0.98	1.10	0.65	0.71
SWPA252012S9R1MT	9.1±20%	0.690	0.531	34	0.91	1.02	0.62	0.68
SWPA252012S100MT	10±20%	0.690	0.531	34	0.79	0.88	0.62	0.68
SWPA252012S120MT	12±20%	1.075	0.827	28	0.78	0.88	0.51	0.56
SWPA252012S150MT	15±20%	1.591	1.224	25	0.68	0.77	0.42	0.46
SWPA252012S220MT	22±20%	1.976	1.520	20	0.53	0.59	0.38	0.41

SPECIFICATIONS

SWPA3010S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA3010S1R0NT	1.0±30%	0.065	180	1.40	1.45
SWPA3010S1R2NT	1.2±30%	0.065	137	1.25	1.45
SWPA3010S1R5NT	1.5±30%	0.080	120	1.27	1.30
SWPA3010S2R2NT	2.2±30%	0.110	100	1.15	1.09
SWPA3010S2R7NT	2.7±30%	0.130	90	1.00	1.02
SWPA3010S3R3NT	3.3±30%	0.145	74	0.97	0.96
SWPA3010S3R6MT	3.6±20%	0.165	67	0.95	0.90
SWPA3010S4R7MT	4.7±20%	0.225	59	0.75	0.77
SWPA3010S5R6MT	5.6±20%	0.248	40	0.58	0.70
SWPA3010S6R8MT	6.8±20%	0.305	42	0.55	0.66
SWPA3010S8R2MT	8.2±20%	0.400	23	0.55	0.58
SWPA3010S100MT	10±20%	0.400	39	0.55	0.58
SWPA3010S120MT	12±20%	0.505	36	0.43	0.52
SWPA3010S150MT	15±20%	0.610	30	0.42	0.47
SWPA3010S220MT	22±20%	0.930	28	0.35	0.38
SWPA3010S270MT	27±20%	1.080	25	0.30	0.35
SWPA3010S330MT	33±20%	1.550	18	0.29	0.30
SWPA3010S390MT	39±20%	1.750	18	0.28	0.28
SWPA3010S430MT	43±20%	1.800	18	0.23	0.27
SWPA3010S470MT	47±20%	1.950	18	0.22	0.26
SWPA3010S510MT	51±20%	2.200	18	0.21	0.25
SWPA3010S560MT	56±20%	2.320	16	0.21	0.24

SWPA3012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA3012SR22NT	0.22±30%	0.017	321	5.30	3.00
SWPA3012SR82NT	0.82±30%	0.030	180	2.05	2.47
SWPA3012S1R0NT	1.0±30%	0.040	120	1.87	2.20
SWPA3012S1R2NT	1.2±30%	0.045	120	2.22	2.01
SWPA3012S1R5NT	1.5±30%	0.045	110	1.62	2.01
SWPA3012S1R8NT	1.8±30%	0.063	90	1.30	1.65
SWPA3012S2R2NT	2.2±30%	0.075	84	1.20	1.55
SWPA3012S2R4NT	2.4±30%	0.068	100	1.15	1.60
SWPA3012S2R7NT	2.7±30%	0.085	65	1.14	1.48
SWPA3012S3R3MT	3.3±20%	0.100	64	1.05	1.36
SWPA3012S3R6MT	3.6±20%	0.100	36	1.05	1.36
SWPA3012S3R9MT	3.9±20%	0.145	61	1.00	1.24
SWPA3012S4R7MT	4.7±20%	0.120	61	0.90	1.24
SWPA3012S5R6MT	5.6±20%	0.174	61	0.80	1.13
SWPA3012S6R8MT	6.8±20%	0.190	61	0.75	0.98
SWPA3012S100MT	10±20%	0.265	42	0.60	0.83
SWPA3012S120MT	12±20%	0.345	32	0.48	0.73
SWPA3012S150MT	15±20%	0.360	27	0.45	0.71

SPECIFICATIONS

SWPA3012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA3012S180MT	18±20%	0.545	25	0.43	0.58
SWPA3012S220MT	22±20%	0.645	23	0.42	0.53
SWPA3012S270MT	27±20%	0.870	21	0.35	0.47
SWPA3012S330MT	33±20%	0.875	18	0.36	0.46
SWPA3012S360MT	36±20%	0.950	18	0.34	0.44
SWPA3012S390MT	39±20%	1.330	18	0.30	0.37
SWPA3012S470MT	47±20%	1.450	14	0.27	0.35
SWPA3012S560MT	56±20%	1.380	9	0.26	0.36
SWPA3012S680MT	68±20%	1.670	12	0.24	0.33
SWPA3012S820MT	82±20%	2.540	12	0.17	0.27
SWPA3012S101MT	100±20%	2.860	12	0.21	0.25

SWPA3015S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA3015SR50NT	0.5±30%	0.030	162	3.90	2.60
SWPA3015S1R0NT	1.0±30%	0.030	150	2.32	2.35
SWPA3015S1R2NT	1.2±30%	0.040	110	2.21	1.95
SWPA3015S1R5NT	1.5±30%	0.050	100	2.30	1.70
SWPA3015S1R8NT	1.8±30%	0.050	92	1.75	1.70
SWPA3015S2R2NT	2.2±30%	0.060	86	1.60	1.60
SWPA3015S2R7NT	2.7±30%	0.075	64	1.52	1.43
SWPA3015S3R3MT	3.3±20%	0.080	68	1.32	1.36
SWPA3015S3R6MT	3.6±20%	0.105	59	1.28	1.20
SWPA3015S3R9MT	3.9±20%	0.105	47	1.20	1.20
SWPA3015S4R3MT	4.3±20%	0.115	53	1.20	1.14
SWPA3015S4R7MT	4.7±20%	0.125	46	1.10	1.09
SWPA3015S5R1MT	5.1±20%	0.133	49	1.00	1.05
SWPA3015S6R2MT	6.2±20%	0.195	46	1.00	0.86
SWPA3015S6R8MT	6.8±20%	0.200	39	0.85	0.85
SWPA3015S100MT	10±20%	0.250	41	0.72	0.77
SWPA3015S120MT	12±20%	0.320	32	0.70	0.68
SWPA3015S150MT	15±20%	0.350	30	0.66	0.65
SWPA3015S180MT	18±20%	0.430	23	0.56	0.59
SWPA3015S220MT	22±20%	0.460	23	0.52	0.57
SWPA3015S270MT	27±20%	0.730	22	0.48	0.45
SWPA3015S330MT	33±20%	0.820	20	0.44	0.43
SWPA3015S390MT	39±20%	0.995	14	0.41	0.39
SWPA3015S430MT	43±20%	1.060	16	0.37	0.37
SWPA3015S470MT	47±20%	1.250	14	0.35	0.35
SWPA3015S560MT	56±20%	1.280	13	0.33	0.34
SWPA3015S620MT	62±20%	1.610	13	0.30	0.30
SWPA3015S680MT	68±20%	2.700	11	0.28	0.23
SWPA3015S101MT	100±20%	3.110	100	0.23	0.21
SWPA3015S151MT	150±20%	3.800	150	0.18	0.19

SPECIFICATIONS

SWPA4010S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA4010S1R0NT	1.0±30%	0.056	116	2.00	1.90
SWPA4010S1R5NT	1.5±30%	0.070	94	1.68	1.70
SWPA4010S2R2MT	2.2±20%	0.085	73	1.20	1.50
SWPA4010S3R3MT	3.3±20%	0.100	58	1.10	1.40
SWPA4010S4R7MT	4.7±20%	0.140	47	0.95	1.20
SWPA4010S6R8MT	6.8±20%	0.200	38	0.80	1.00
SWPA4010S100MT	10±20%	0.300	31	0.62	0.75
SWPA4010S150MT	15±20%	0.430	24	0.54	0.60
SWPA4010S220MT	22±20%	0.570	19	0.45	0.50

SWPA4012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA4012SR82NT	0.82±30%	0.050	150	3.02	1.65
SWPA4012S1R0NT	1.0±30%	0.050	120	2.61	1.65
SWPA4012S1R5NT	1.5±30%	0.065	90	2.10	1.46
SWPA4012S1R8NT	1.8±30%	0.080	88	2.12	1.32
SWPA4012S2R2NT	2.2±30%	0.080	74	1.76	1.32
SWPA4012S2R7NT	2.7±30%	0.090	71	1.90	1.25
SWPA4012S3R3NT	3.3±30%	0.110	60	1.72	1.12
SWPA4012S3R6NT	3.6±30%	0.110	57	1.20	1.12
SWPA4012S4R3NT	4.3±30%	0.140	54	1.58	1.00
SWPA4012S4R7NT	4.7±30%	0.125	50	1.15	1.05
SWPA4012S5R1NT	5.1±30%	0.155	50	1.55	0.95
SWPA4012S5R6NT	5.6±30%	0.140	42	1.00	1.00
SWPA4012S6R8MT	6.8±20%	0.198	40	0.85	0.84
SWPA4012S100MT	10±20%	0.265	33	0.80	0.77
SWPA4012S120MT	12±20%	0.290	32	0.66	0.70
SWPA4012S150MT	15±20%	0.340	25	0.56	0.64
SWPA4012S180MT	18±20%	0.470	23	0.55	0.55
SWPA4012S220MT	22±20%	0.587	20	0.46	0.49
SWPA4012S270MT	27±20%	0.720	18	0.50	0.45
SWPA4012S330MT	33±20%	0.810	17	0.42	0.42
SWPA4012S360MT	36±20%	0.900	14	0.40	0.40
SWPA4012S390MT	39±20%	1.100	16	0.55	0.37
SWPA4012S470MT	47±20%	1.100	12	0.35	0.37
SWPA4012S560MT	56±20%	1.250	11	0.33	0.33
SWPA4012S680MT	68±20%	1.950	11	0.38	0.27
SWPA4012S820MT	82±20%	2.140	11	0.28	0.26
SWPA4012S101MT	100±20%	2.210	9.4	0.25	0.25

SPECIFICATIONS

SWPA4018S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA4018SR47NT	0.47±30%	0.018	155	4.30	4.00
SWPA4018SR68NT	0.68±30%	0.028	128	4.90	3.30
SWPA4018S1R0NT	1.0±30%	0.025	80	4.80	2.0
SWPA4018S1R5NT	1.5±30%	0.030	65	3.35	1.80
SWPA4018S1R8NT	1.8±30%	0.044	54	3.00	2.00
SWPA4018S2R2MT	2.2±20%	0.045	52	2.70	1.65
SWPA4018S3R3MT	3.3±20%	0.070	44	2.45	1.23
SWPA4018S4R7MT	4.7±20%	0.090	34	1.70	1.20
SWPA4018S6R8MT	6.8±20%	0.110	29	1.45	1.06
SWPA4018S100MT	10±20%	0.180	24	1.30	0.84
SWPA4018S150MT	15±20%	0.250	19	0.94	0.65
SWPA4018S220MT	22±20%	0.360	16	0.80	0.59
SWPA4018S270MT	27±20%	0.470	27	0.47	0.52
SWPA4018S330MT	33±20%	0.530	12	0.56	0.49
SWPA4018S470MT	47±20%	0.650	10	0.57	0.42
SWPA4018S680MT	68±20%	1.000	8.3	0.47	0.32
SWPA4018S101MT	100±20%	1.750	6.5	0.40	0.25
SWPA4018S151MT	150±20%	2.500	5.5	0.31	0.22
SWPA4018S221MT	220±20%	4.000	4.0	0.27	0.17

SWPA4020S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
SWPA4020SR24MT	0.24±20%	0.011	283	10.50	4.50
SWPA4020SR33NT	0.33±20%	0.013	223	7.50	3.30
SWPA4020SR47NT	0.47±30%	0.022	160	7.00	3.30
SWPA4020SR68NT	0.68±30%	0.028	120	6.40	2.80
SWPA4020S1R0NT	1.0±30%	0.029	75	4.78	2.15
SWPA4020S1R2NT	1.2±30%	0.029	72	5.10	2.15
SWPA4020S1R5NT	1.5±30%	0.035	71	4.45	1.98
SWPA4020S2R2NT	2.2±30%	0.040	49	3.40	1.85
SWPA4020S3R3MT	3.3±20%	0.070	44	3.20	1.40
SWPA4020S3R6MT	3.6±20%	0.055	49	2.80	1.54
SWPA4020S4R7MT	4.7±20%	0.075	42	2.35	1.34
SWPA4020S5R1MT	5.1±20%	0.085	42	2.30	1.27
SWPA4020S5R6MT	5.6±20%	0.090	30	2.20	1.22
SWPA4020S6R2MT	6.2±20%	0.115	36	2.15	1.08
SWPA4020S6R8MT	6.8±20%	0.125	33	2.20	1.04
SWPA4020S7R5MT	7.5±20%	0.115	30	1.85	1.08
SWPA4020S8R2MT	8.2±20%	0.125	27	1.75	1.04
SWPA4020S100MT	10±20%	0.165	26	1.60	0.90
SWPA4020S120MT	12±20%	0.175	26	1.50	0.88
SWPA4020S150MT	15±20%	0.230	24	1.35	0.77
SWPA4020S220MT	22±20%	0.350	15	1.05	0.62

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/398107006063006060>