

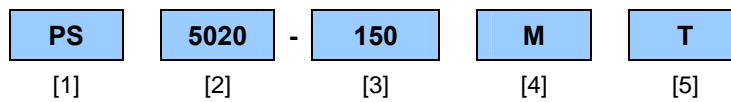
■ FEATURES

PS Series

- Low Profile
- Magnetically shielded
- Applied to DC/DC Converter , Portable Communication Equipment and Notebook Computer



■ ORDERING CODE



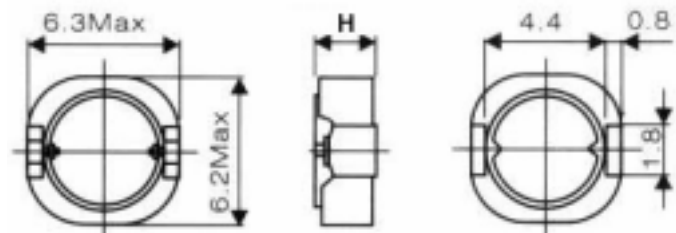
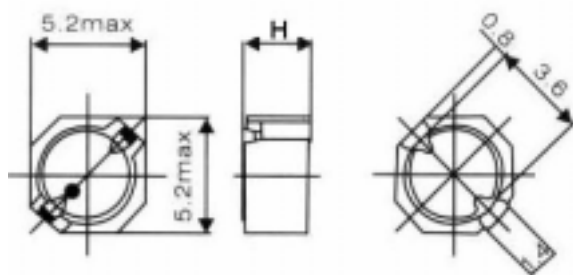
- [1] **Product Type:** PS
 [2] **Size Code:** 5020 , 5030 , 6020 , 6030
 [3] **Inductance:** Example: 1R5 = 1.5uH ; 150 = 15uH ; 151 = 150uH
 [4] **Tolerance:** J±5% ; K±10% ; L±15% ; M±20%
 [5] **Packing:** T-Tape & Reel

■ DIMENSIONS

Unit: mm

PS 5020 & 5030

PS 6020 & 6030



Size	L(max)	W(max)	H(max)	A	B	C
5020	5.2	5.2	2.0	3.6	0.8	1.4
5030	5.2	5.2	3.0	3.6	0.8	1.4
6020	6.3	6.2	2.0	4.4	0.8	1.8
6030	6.3	6.2	3.0	4.4	0.8	1.8

ELECTRICAL CHARACTERISTICS
PS Series Type 5020

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(mΩ)Max.	Isat(A)	Irms(A)
PS5020-1R2M	1.2	±20%	100KHz	44	2.87	2.87
PS5020-2R2M	2.2	±20%	100KHz	59	2.17	2.05
PS5020-3R3M	3.3	±20%	100KHz	73	1.79	1.81
PS5020-4R7M	4.7	±20%	100KHz	87	1.52	1.53
PS5020-6R8M	6.8	±20%	100KHz	105	1.27	1.37
PS5020-100M	10	±20%	100KHz	150	1.02	1.09
PS5020-150M	15	±20%	100KHz	210	0.85	0.90
PS5020-220M	22	±20%	100KHz	275	0.74	0.82
PS5020-330M	33	±20%	100KHz	455	0.59	0.60
PS5020-470M	47	±20%	100KHz	730	0.49	0.44
PS5020-680M	68	±20%	100KHz	935	0.40	0.41
PS5020-101M	100	±20%	100KHz	1500	0.31	0.31

PS Series Type 5030

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(mΩ)Max.	Isat(A)	Irms(A)
PS5030-1R2M	1.2	±20%	100KHz	20	3.87	3.25
PS5030-2R2M	2.2	±20%	100KHz	27	2.92	2.64
PS5030-3R3M	3.3	±20%	100KHz	34	2.36	2.26
PS5030-4R7M	4.7	±20%	100KHz	45	1.87	2.01
PS5030-6R8M	6.8	±20%	100KHz	68	1.51	1.65
PS5030-100M	10	±20%	100KHz	90	1.33	1.41
PS5030-150M	15	±20%	100KHz	142	1.05	1.10
PS5030-220M	22	±20%	100KHz	208	0.86	0.81
PS5030-330M	33	±20%	100KHz	257	0.72	0.75
PS5030-470M	47	±20%	100KHz	352	0.62	0.64
PS5030-680M	68	±20%	100KHz	525	0.51	0.52
PS5030-101M	100	±20%	100KHz	801	0.43	0.44

Isat: Inductance drop 30% typ. at rated Isat.

Irms: T=40°C rise typ. at Irms.

ELECTRICAL CHARACTERISTICS
PS Series Type 6020

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(mΩ)Max.	Isat(A)	Irms(A)
PS6020-1R0M	1.0	±20%	100KHz	16	3.59	3.48
PS6020-1R5M	1.5	±20%	100KHz	21	2.94	2.99
PS6020-2R2M	2.2	±20%	100KHz	28	2.47	2.33
PS6020-3R3M	3.3	±20%	100KHz	47	1.99	1.97
PS6020-4R7M	4.7	±20%	100KHz	65	1.59	1.54
PS6020-6R8M	6.8	±20%	100KHz	74	1.49	1.45
PS6020-8R2M	8.2	±20%	100KHz	102	1.25	1.23
PS6020-100M	10	±20%	100KHz	118	1.22	1.09
PS6020-120M	12	±20%	100KHz	153	0.99	1.10
PS6020-150M	15	±20%	100KHz	179	0.94	0.82
PS6020-180M	18	±20%	100KHz	207	0.83	0.90
PS6020-220M	22	±20%	100KHz	253	0.80	0.74
PS6020-270M	27	±20%	100KHz	330	0.65	0.65
PS6020-330M	33	±20%	100KHz	455	0.59	0.60
PS6020-390M	39	±20%	100KHz	473	0.55	0.56
PS6020-470M	47	±20%	100KHz	542	0.50	0.52

PS Series Type 6030

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(mΩ)Max.	Isat(A)	Irms(A)
PS6030-1R0M	1.0	±20%	100KHz	14	3.59	4.03
PS6030-1R5M	1.5	±20%	100KHz	16	2.93	3.63
PS6030-2R2M	2.2	±20%	100KHz	20	2.42	3.30
PS6030-3R3M	3.3	±20%	100KHz	26	1.89	2.83
PS6030-4R7M	4.7	±20%	100KHz	33	1.66	2.45
PS6030-6R8M	6.8	±20%	100KHz	39	1.45	2.20
PS6030-100M	10	±20%	100KHz	59	1.14	1.77
PS6030-120M	12	±20%	100KHz	63	1.04	1.70
PS6030-150M	15	±20%	100KHz	75	0.93	1.55
PS6030-180M	18	±20%	100KHz	89	0.85	1.41
PS6030-220M	22	±20%	100KHz	114	0.77	1.23
PS6030-270M	27	±20%	100KHz	144	0.70	1.08
PS6030-330M	33	±20%	100KHz	168	0.63	0.99
PS6030-390M	39	±20%	100KHz	180	0.58	0.95
PS6030-470M	47	±20%	100KHz	222	0.53	0.84
PS6030-560M	56	±20%	100KHz	264	0.48	0.76
PS6030-680M	68	±20%	100KHz	324	0.44	0.69
PS6030-820M	82	±20%	100KHz	396	0.40	0.61
PS6030-101M	100	±20%	100KHz	498	0.36	0.54
PS6030-151M	150	±20%	100KHz	615	0.31	0.42

Isat: Inductance drop 30% typ. at rated Isat.

Irms: T=40°C rise typ. at Irms.