

GOWANDA Power and RF Inductors

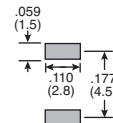
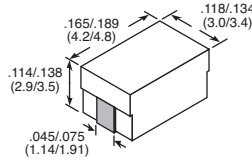


SURFACE MOUNT POWER INDUCTORS

SMP1812 Series

Features:

- Epoxy Encapsulated
- Operating Temperature: -55°C to +125°C
- Stacked on Tape and Reel
- Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies.



Recommended Foot Print



RoHS Compliant

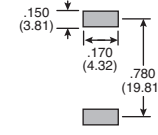
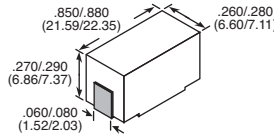
DIMENSIONS: in. (mm)

MOUSER STOCK NO.	Gowanda Part No.	Inductance ±10% @ 1KHz	DCR (Ω Max.)	I _{SAT} (DC mA)	Nominal Current Rating (DC mA)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
883-SMP1812-101KLF	SMP1812-101KLF	1.0	0.056	2500	2018	1.18	.944	.858	.78	2200	.61
883-SMP1812-221KLF	SMP1812-221KLF	2.2	0.13	169	1325	1.18	.944	.858	.78	2200	.61
883-SMP1812-331KLF	SMP1812-331KLF	3.3	0.17	1397	1158	1.18	.944	.858	.78	2200	.61
883-SMP1812-391KLF	SMP1812-391KLF	3.9	0.22	1250	1018	1.18	.944	.858	.78	2200	.61
883-SMP1812-471KLF	SMP1812-471KLF	4.7	0.24	1131	975	1.18	.944	.858	.78	2200	.61
883-SMP1812-681KLF	SMP1812-681KLF	6.8	0.37	990	785	1.18	.944	.858	.78	2200	.61
883-SMP1812-102KLF	SMP1812-102KLF	10	0.46	772	704	1.18	.944	.858	.78	2200	.61
883-SMP1812-222KLF	SMP1812-222KLF	22	1.11	515	453	1.18	.944	.858	.78	2200	.61
883-SMP1812-332KLF	SMP1812-332KLF	33	1.35	425	411	1.18	.944	.858	.78	2200	.61
883-SMP1812-392KLF	SMP1812-392KLF	39	1.50	375	390	1.19	.989	.899	.817	2200	.647
883-SMP1812-472KLF	SMP1812-472KLF	47	1.65	366	372	1.18	.944	.858	.78	2200	.61
883-SMP1812-682KLF	SMP1812-682KLF	68	2.95	297	288	1.18	.944	.858	.78	2200	.61
883-SMP1812-103KLF	SMP1812-103KLF	100	4.00	238	239	1.24	.99	.902	.82	2200	.641
883-SMP1812-223KLF	SMP1812-223KLF	220	8.80	158	161	1.24	.99	.902	.82	2200	.641
883-SMP1812-273KLF	SMP1812-273KLF	270	9.93	143	152	1.24	.99	.902	.82	2200	.641
883-SMP1812-333KLF	SMP1812-333KLF	330	14.80	129	124	1.24	.99	.902	.82	2200	.641

SMP8527 Series

Features:

- Operating Temperature: -55°C to +125°C
- Core material is high resistance nickel zinc ferrite.
- Saturation current is the approximate value that will reduce the initial inductance by 5%.
- Rated current is based on a 40°C temperature rise at an ambient temperature of 85°C.



Recommended Foot Print



RoHS Compliant

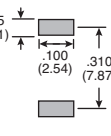
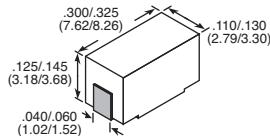
DIMENSIONS: in. (mm)

MOUSER STOCK NO.	Gowanda Part No.	Inductance ±10% @ 1KHz	DCR (Ω Max.)	I _{SAT} (DC mA)	Nominal Current Rating (DC mA)	Price Each				Reel Qty.	Price Per Piece
						1	25	50	100		
883-SMP8527-101KLF	SMP8527-101KLF	1.0	0.011	10	6.68	2.93	2.34	2.13	1.94	480	1.65
883-SMP8527-221KLF	SMP8527-221KLF	2.2	0.016	6.4	5.54	2.98	2.38	2.16	1.96	480	1.67
883-SMP8527-331KLF	SMP8527-331KLF	3.3	0.018	5.4	5.22	2.98	2.38	2.16	1.96	480	1.67
883-SMP8527-391KLF	SMP8527-391KLF	3.9	0.02	4.8	4.95	2.98	2.38	2.16	1.96	480	1.67
883-SMP8527-471KLF	SMP8527-471KLF	4.7	0.024	4.2	4.52	2.98	2.38	2.16	1.96	480	1.67
883-SMP8527-681KLF	SMP8527-681KLF	6.8	0.034	3.4	3.8	3.00	2.40	2.18	1.98	480	1.68
883-SMP8527-102KLF	SMP8527-102KLF	10	0.043	3.0	3.38	3.00	2.40	2.18	1.98	480	1.68
883-SMP8527-222KLF	SMP8527-222KLF	22	0.059	2.0	2.88	3.00	2.40	2.18	1.98	480	1.68
883-SMP8527-332KLF	SMP8527-332KLF	33	0.077	1.8	2.53	3.03	2.42	2.20	2.00	480	1.70
883-SMP8527-392KLF	SMP8527-392KLF	39	0.084	1.6	2.42	3.03	2.42	2.20	2.00	480	1.70
883-SMP8527-472KLF	SMP8527-472KLF	47	0.101	1.4	2.2	3.03	2.42	2.20	2.00	480	1.70
883-SMP8527-682KLF	SMP8527-682KLF	68	0.145	1.2	1.84	3.03	2.42	2.20	2.00	480	1.70
883-SMP8527-103KLF	SMP8527-103KLF	100	0.208	1.0	1.54	3.03	2.42	2.20	2.00	480	1.70
883-SMP8527-223KLF	SMP8527-223KLF	220	0.505	0.68	0.99	2.88	2.40	2.18	1.98	480	1.74
883-SMP8527-333KLF	SMP8527-333KLF	330	0.72	0.6	0.826	2.92	2.43	2.21	2.01	480	1.77
883-SMP8527-393KLF	SMP8527-393KLF	390	0.77	0.54	0.799	3.01	2.51	2.28	2.07	480	1.82
883-SMP8527-473KLF	SMP8527-473KLF	470	1.0	0.5	0.7	3.01	2.51	2.28	2.07	480	1.82
883-SMP8527-683KLF	SMP8527-683KLF	680	1.5	0.45	0.57	3.01	2.51	2.28	2.07	480	1.82
883-SMP8527-104KLF	SMP8527-104KLF	1000	2.28	0.36	0.46	3.13	2.61	2.37	2.15	480	1.89
883-SMP8527-224KLF	SMP8527-224KLF	2200	4.4	0.24	0.33	3.13	2.61	2.37	2.15	480	1.89
883-SMP8527-334KLF	SMP8527-334KLF	3300	7.51	0.18	0.26	3.13	2.61	2.37	2.15	480	1.89
883-SMP8527-394KLF	SMP8527-394KLF	3900	8.44	0.17	0.24	3.18	2.65	2.41	2.19	480	1.93
883-SMP8527-474KLF	SMP8527-474KLF	4700	9.56	0.15	0.23	3.18	2.65	2.41	2.19	480	1.93
883-SMP8527-684KLF	SMP8527-684KLF	6800	15	0.13	0.18	3.18	2.65	2.41	2.19	480	1.93
883-SMP8527-105KLF	SMP8527-105KLF	10000	22.8	0.1	0.15	3.25	2.71	2.46	2.24	480	1.97

SMRF3013 SERIES UNSHIELDED RF INDUCTORS

Features:

- Operating Temperature: -55°C to +125°C
- Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C.



Recommended Foot Print



RoHS Compliant

DIMENSIONS: in. (mm)

MOUSER STOCK NO.	Gowanda Part No.	Inductance ±10%	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω Max.)	Nominal Current Rating (DC mA)	Core Material	Price Each				Reel Qty.	Price Per Piece
									1	50	100	500		
883-SMRF3013-100KLF	SMRF3013-100KLF	0.1	40	25	680	0.08	1590	Phenolic	.97	.774	.704	.64	2200	.50
883-SMRF3013-390KLF	SMRF3013-390KLF	0.39	30	25	365	0.3	821	Phenolic	.94	.75	.682	.62	2200	.485
883-SMRF3013-470KLF	SMRF3013-470KLF	0.47	30	25	330	0.35	760	Phenolic	.97	.774	.704	.64	2200	.50
883-SMRF3013-680KLF	SMRF3013-680KLF	0.68	28	25	275	0.6	580	Phenolic	.97	.774	.704	.64	2200	.50
883-SMRF3013-101KLF	SMRF3013-101KLF	1	25	25	230	1	450	Phenolic	.97	.774	.704	.64	2200	.50
883-SMRF3013-391KLF	SMRF3013-391KLF	3.9	45	7.9	80	1	450	Powdered Iron	1.18	.944	.858	.78	2200	.61
883-SMRF3013-471KLF	SMRF3013-471KLF	4.7	45	7.9	75	1.2	410	Powdered Iron	.97	.774	.704	.64	2200	.50
883-SMRF3013-681KLF	SMRF3013-681KLF	6.8	50	7.9	60	2	318	Powdered Iron	1.18	.944	.858	.78	2200	.61
883-SMRF3013-102KLF	SMRF3013-102KLF	10	55	7.9	50	3	234	Powdered Iron	1.18	.944	.858	.78	2200	.61
883-SMRF3013-392KLF	SMRF3013-392KLF	39	45	2.5	22	3.6	237	Ferrite	1.30	1.04	.946	.86	2200	.673
883-SMRF3013-472KLF	SMRF3013-472KLF	47	45	2.5	20	4.5	212	Ferrite	1.30	1.04	.946	.86	2200	.673
883-SMRF3013-682KLF	SMRF3013-682KLF	68	45	2.5	15	6.7	174	Ferrite	1.18	.944	.858	.78	2200	.61
883-SMRF3013-103KLF	SMRF3013-103KLF	100	30	2.5	13	8	159	Ferrite	1.39	1.11	1.01	.92	2200	.719
883-SMRF3013-393KLF	SMRF3013-393KLF	390	30	0.79	6.5	35	76	Ferrite	1.41	1.13	1.03	.94	2200	.735
883-SMRF3013-473KLF	SMRF3013-473KLF	470	30	0.79	6	42	69	Ferrite	1.46	1.17	1.06	.96	2200	.751
883-SMRF3013-683KLF	SMRF3013-683KLF	680	30	0.79	4	60	58	Ferrite	1.46	1.17	1.06	.96	2200	.751
883-SMRF3013-104KLF	SMRF3013-104KLF	1000	30	0.79	3.4	72	53	Ferrite	1.61	1.29	1.17	1.06	2200	.829