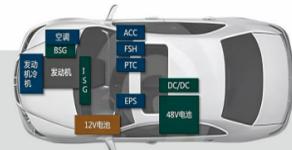


PACKAGING INJECTION MOLDING INDUCTOR



Vehicle-mounted 48V system



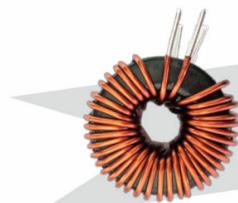
Storage system



OBC/PFC



DC-Link filter



Toroidal Inductor



Assembled Inductor



PIM Inductor

ThanTech PIM Inductor Characteristics

- ✓ Light weight
- ✓ Low noise
- ✓ High thermal conductivity
- ✓ Small size
- ✓ Less EMI
- ✓ High power density

Packaged integrated molding (PIM) inductor is a medium and large integrated inductor developed by ThanTech by using the latest integrated molding process, which can be used in new energy vehicles, energy storage, switching power supply and other fields.

Packaging Injection Molding Inductor

DIMENSIONS & STANDARD ELECTRICAL SPECIFICATIONS

PART NUMBER	DIMENSIONS (LxWxH) (mm)	INDUCTANCE ±20% (μH)	DCR TYP. (mΩ)	DCR MAX. (mΩ)	Isat 20% TYP. (A)	Isat 30% TYP. (A)
SMAA262127-1R2M	25.53x20.73x27	1.2	0.25	0.30	110	150
SMAA262127-2R2M	25.53x20.73x27	2.2	0.35	0.40	75	110
SMAA262127-3R3M	25.53x20.73x27	3.3	0.63	0.70	60	90
SMAA262127-4R7M	25.53x20.73x27	4.7	0.86	0.95	50	70
SMAA262127-6R8M	25.53x20.73x27	6.8	1.00	1.15	45	60
SMAA262127-8R2M	25.53x20.73x27	8.2	1.35	1.50	35	50
SMAA262127-100M	25.53x20.73x27	10	1.70	2.00	30	45
SMAA271829-R47M	26.8x17.9x29	0.47	0.22	0.27	343	422
SMAA271829-1R1M	26.8x17.9x29	1.10	0.3	0.36	245	301
SMAA271829-2R0M	26.8x17.9x29	2.00	0.52	0.58	191	234
SMAA271829-3R0M	26.8x17.9x29	3.00	0.75	0.83	156	192
SMAA271829-4R3M	26.8x17.9x29	4.30	1.05	1.16	133	164
SMAA271829-5R6M	26.8x17.9x29	5.60	1.44	1.53	115	142
SMAA271829-7R5M	26.8x17.9x29	7.50	2.11	2.20	96	118
SMAB271829-R68M	26.8x17.9x29	0.68	0.22	0.27	202	248
SMAB271829-1R5M	26.8x17.9x29	1.50	0.3	0.36	134	165
SMAB271829-2R7M	26.8x17.9x29	2.70	0.52	0.58	103	127
SMAB271829-4R3M	26.8x17.9x29	4.30	0.75	0.83	85	105
SMAB271829-6R2M	26.8x17.9x29	6.20	1.05	1.16	74	91
SMAB271829-8R2M	26.8x17.9x29	8.20	1.44	1.53	59	73
SMAB271829-120M	26.8x17.9x29	12.00	2.11	2.20	49	61
SMAA382244-R82M	38.1x21.89x44	0.82	0.17	0.18	230	330
SMAA382244-1R5M	38.1x21.89x44	1.5	0.25	0.26	138	193
SMAA382244-2R2M	38.1x21.89x44	2.2	0.32	0.34	104	150
SMAA382244-3R3M	38.1x21.89x44	3.3	0.4	0.42	87	124
SMAA382244-5R6M	38.1x21.89x44	5.6	0.61	0.64	67	96
SMAA382244-6R8M	38.1x21.89x44	6.8	0.79	0.83	64	94
SMAA382244-100M	38.1x21.89x44	10	1.1	1.16	49	72
SMAA512254-1R2M	50.8x21.59x54	1.2	0.14	0.15	243	349
SMAA512254-2R2M	50.8x21.59x54	2.2	0.19	0.20	190	280
SMAA512254-3R3M	50.8x21.59x54	3.3	0.33	0.35	145	213
SMAA512254-4R7M	50.8x21.59x54	4.7	0.43	0.45	110	164
SMAA512254-100M	50.8x21.59x54	10	0.82	0.86	83	123