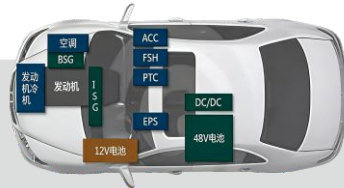


PACKAGING INJECTION MOLDING INDUCTOR



Vehicle-mounted 48V system



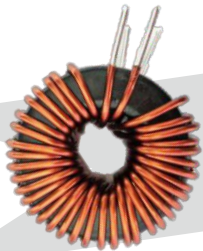
Storage system



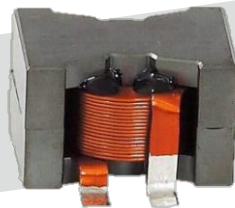
DC-Link filter



OBC/PFC



Toroidal Inductor



Assembled Inductor



PIM Inductor

✓ High thermal conductivity

✓ Light weight

✓ Low noise

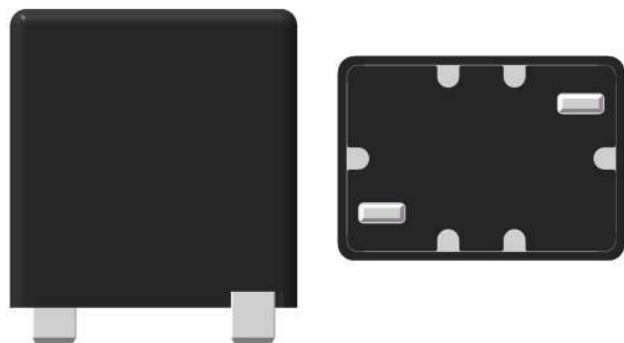
✓ High power density

✓ Small size

✓ Less EMI

Fully
Automated
Manufacturing

PACKAGING INJECTION MOLDING INDUCTOR



FEATURES

- Operating temperature range -40 ~ +155 °C
- Shielded construction
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction

APPLICATIONS

- High current and high temperature applications
- DC/DC converters
- High current motor and switching noise suppression
- Inverters

Dimensions & Standard Electrical Specifications

PART NUMBER	DIMENSIONS (L x W x H) (mm)	INDUCTANCE ±20% (μH)	DCR TYP. (mΩ)	DCR MAX. (mΩ)	Isat 20% TYP. (A)	Isat 30% TYP. (A)
SMAA262127-1R2M	25.53x20.73x27	1.20	0.25	0.30	110	150
SMAA262127-2R2M	25.53x20.73x27	2.20	0.35	0.40	75	110
SMAA262127-3R3M	25.53x20.73x27	3.30	0.63	0.70	60	90
SMAA262127-4R7M	25.53x20.73x27	4.70	0.86	0.95	50	70
SMAA271829-R47M	26.8x17.9x29	0.47	0.22	0.27	343	422
SMAA271829-2R0M	26.8x17.9x29	2.00	0.52	0.58	191	234
SMAA271829-4R3M	26.8x17.9x29	4.30	1.05	1.16	133	164
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
SMAB271829-2R7M	26.8x17.9x29	2.70	0.52	0.58	103	127
SMAB271829-6R2M	26.8x17.9x29	6.20	1.05	1.16	74	91
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
SMAA382244-2R2M	38.1x21.89x44	2.20	0.32	0.34	104	150
SMAA382244-3R3M	38.1x21.89x44	3.30	0.40	0.42	87	124
SMAA382244-6R8M	38.1x21.89x44	6.80	0.79	0.83	64	94
SMAA382244-100M	38.1x21.89x44	10.00	1.10	1.16	49	72
SMAA512254-1R2M	50.8x21.59x54	1.20	0.14	0.15	243	349
SMAA512254-2R2M	50.8x21.59x54	2.20	0.19	0.20	190	280
SMAA512254-4R7M	50.8x21.59x54	4.70	0.43	0.45	110	164
SMAA512254-100M	50.8x21.59x54	10.00	0.82	0.86	83	123

※ For more customized inductors, please inquire via email.