

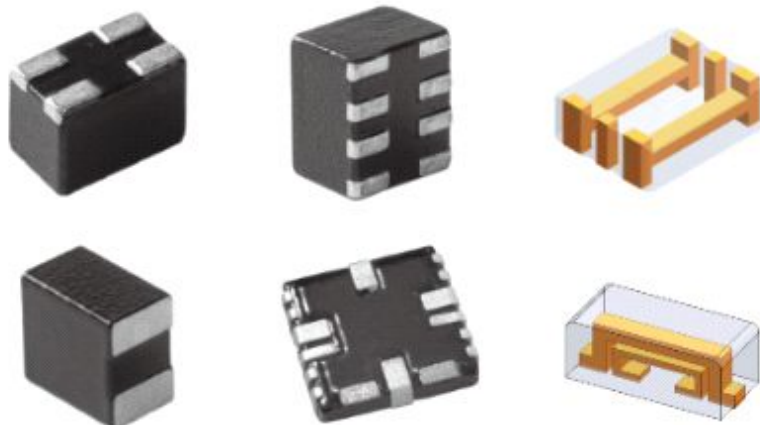
# HIGH POWER DENSITY INDUCTOR FOR AI

## Applications

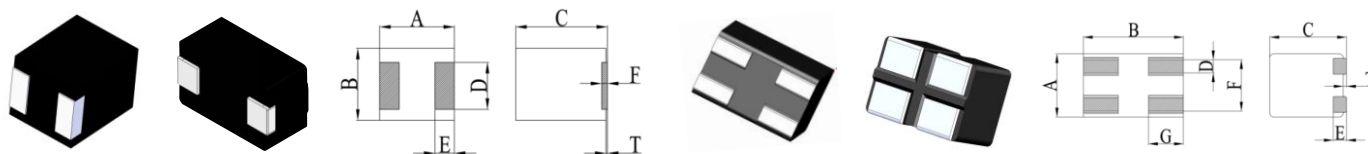
- XPU, Power module, Optical module
- VRM\TLVR for Server or Base station
- Notebook, PC, Industrial equipment

## Features

- Ultra wide temperature range: -55 ~ 155 °C
- High efficiency and thermal conductivity
- Excellent saturation characteristics
- Shielded construction of magnetic circuit
- No thermal aging issues and high reliability



## Co-sintering Molding Inductors (CSM)



### Single Phase

PART NUMBER	A (mm) ±0.2	B (mm) ±0.2	C (mm) ±0.2	D (mm) ±0.2	E (mm) ±0.3	F (mm) ±0.3	L0 (μH) Typ.	I <sub>RMS</sub> (A) Typ.	I <sub>SAT</sub> (A) Typ.	R <sub>DC</sub> (mΩ) Max.
STHB070660-R10L	7	6	5.8	2.6	3.2	1	0.1	80	65	0.19
STFB050560-075L	4.8	4.6	5.8	3	1.25	0.7	0.075	50	80	0.28
STFB050560-R10L	4.8	4.6	5.8	3	1.25	0.7	0.1	50	65	0.28
STFB050460-085L	4.8	3.8	5.8	3	1.25	0.7	0.085	50	80	0.3
STFB050460-R10L	4.8	3.8	5.8	3	1.25	0.7	0.1	50	60	0.3
STHB070415-050L	7	4.5	1.3	1	2.5	0.7	0.05	45	45	0.27
STHB110518-R10L	11	5	1.6	1.8	2.6	1	0.1	45	50	0.34

### Dual Phase

SDFB050860-085M	4.8	7.8	5.8	1.2	0.7	4.1	0.085	50	80	0.28
SDFB050860-R10M	4.8	7.8	5.8	1.2	0.7	4.1	0.1	50	65	0.28
SDFB071060-085M	7	9.8	5.8	2.8	0.7	7	0.085	68	88	0.16
SDAB080930-065L	7.8	9	2.8	2	2.3	1	0.065	45	45	0.25

※ For more customized inductors, please inquire via email.