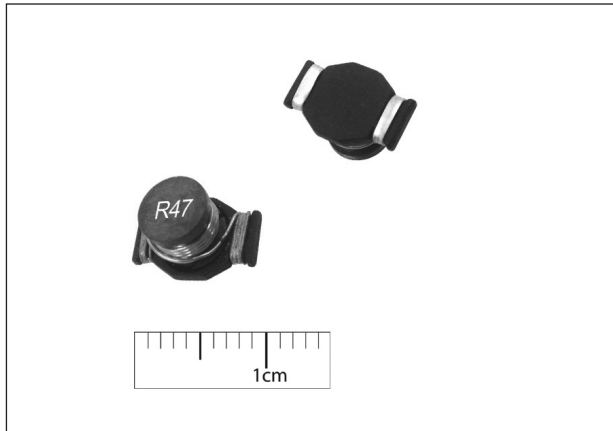


EA  
01



## ● PART NUMBERING

EA - □□□ □ □□ □□ □□  
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

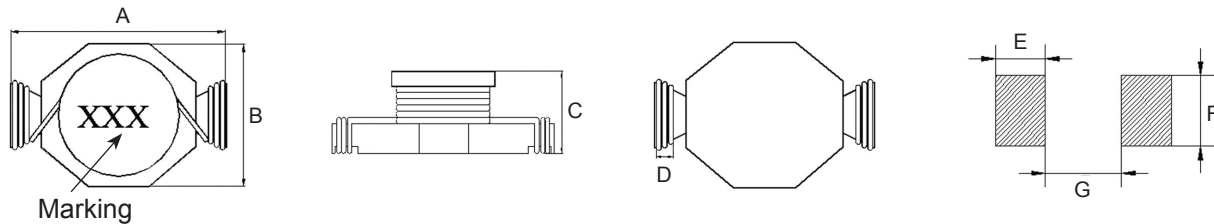
## ● FEATURES

- Low inductance available.
- Supper low resistance with high current rating.
- Low profile and high performance SMT inductors.
- Excellent for high power DC/DC applications.

## ● APPLICATIONS

- DC/DC converters
- Laptops and PDAs
- Step-up or Step-down converters
- Flash memory programmers
- LCD displays

## ● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G
EA-55A	9.0 Max.	6.8 Max.	5.3 Max.	1.27 Typ.	1.91 Typ.	4.06 Typ.	5.08 Typ.

- For packaging information, please refer to page P.39.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L ( $\mu$ H)	SRF (MHz)Typ.	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-56B□55A□□	SDOG1021-R56□	0.56	200	0.010	7.70	6.00
EA-12A□55A□□	SDOG1021-1R2□	1.2	140	0.017	5.30	4.40
EA-22A□55A□□	SDOG1021-2R2□	2.2	100	0.035	3.50	3.10
EA-47A□55A□□	SDOG1021-4R7□	4.7	50	0.054	2.60	2.20
EA-100□55A□□	SDOG1021-100□	10	40	0.111	1.90	1.50
EA-150□55A□□	SDOG1021-150□	15	30	0.170	1.50	1.20
EA-220□55A□□	SDOG1021-220□	22	25	0.250	1.20	1.00
EA-330□55A□□	SDOG1021-330□	33	20	0.350	0.99	0.82
EA-470□55A□□	SDOG1021-470□	47	15	0.470	0.87	0.72

EA  
02

- Tested at 25°C., 100KHz, 1V.
- Temperature rise : 40°C Typ. at Irms
- Inductance drop : 10% Max. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C