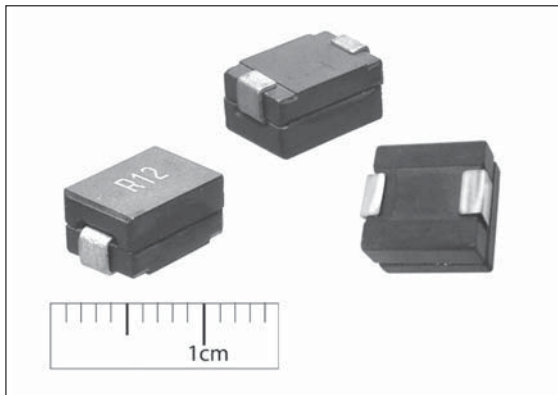


SMD POWER INDUCTORS (EB-XXP SERIES)

trio



● PART NUMBERING

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

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

EB
52

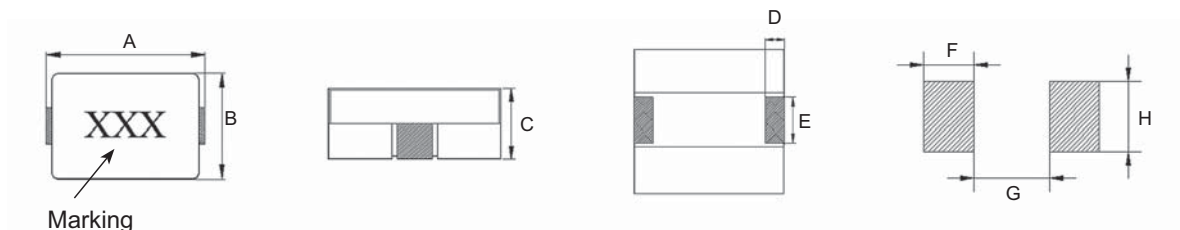
● FEATURES

- Low profile and low temperature rise.
- Surface mount designed for high speed switching mode applications requiring lower inductance and high current.
- Gapped ferrite cores for maximum efficiency.
- Frequency range up to 2MHz.

● APPLICATIONS

- VRMs for servers, laptops, microprocessors
- Low profile, high current power supplies

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G	H
EB-77P	7.50 Max.	6.80 Max.	5.0 Max.	1.50±0.5	2.5±0.5	2.75	2.0	3.5
EB-53P	10.2 Max.	6.80 Max.	5.0 Max.	1.50±0.5	2.5±0.5	3.00	4.5	3.5
EB-78P	12.95 Max.	12.95 Max.	8.0 Max.	2.54±0.5	5.0±0.5	3.25	7.0	7.5

• For packaging information, please refer to page P.101.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	FREQ. (KHz/0.1V)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EB-70N□77P□□	STMG0605-70N□	0.07	100	0.0005	65	35
EB-10B□77P□□	STMG0605-R10□	0.10	100	0.0005	48	35
EB-12B□77P□□	STMG0605-R12□	0.12	100	0.0005	38	35
EB-15B□77P□□	STMG0605-R15□	0.15	100	0.0005	32	35
EB-10B□53P□□	STMG1005-R10□	0.10	100	0.00055	62	37
EB-12B□53P□□	STMG1005-R12□	0.12	100	0.00055	53	37
EB-15B□53P□□	STMG1005-R15□	0.15	100	0.00055	44	37
EB-20B□53P□□	STMG1005-R20□	0.20	100	0.00055	32	37
EB-21B□78P□□	STMG1208-R21□	0.21	100	0.0005	71	45
EB-26B□78P□□	STMG1208-R26□	0.26	100	0.0005	60	45
EB-32B□78P□□	STMG1208-R32□	0.32	100	0.0005	45	45
EB-44B□78P□□	STMG1208-R44□	0.44	100	0.0005	32	45

- Tested at 25°C.
- Temperature rise : 40°C Typ. at Irms
- Inductance drop : 30% Typ. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C