

SPECIFICATION OF BSFxxxxHCYD SERIES

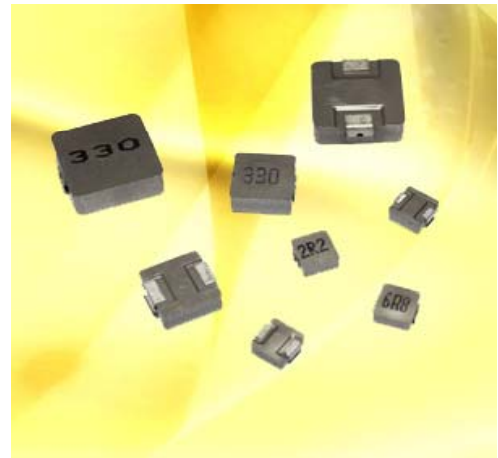
FEATURES

1. High performance (Isat) realized by metal dust core.
2. Very low profile : Thickness with 1.6 to 5.0 mm.
3. Low loss with low DCR.
4. Capable of corresponding high frequency (3MHz).
5. RoHS compliant.



APPLICATIONS

DC/DC Converter for CPU in Notebook PC.
Graphic Card , VRM , POL , DSC , Mobile Phone ,
LCD panel , LCD TV , HD.



ORDERING CODE

BSF0312HCYD 1R0 M T
(1) (2) (3) (4)

- (1) PRODUCT TYPE CODE AND SIZE CODE
 (2) INDUCTANCE
 (3) INDUCTANCE TOLERANCE (M : ±20%, N : ±30%)
 (4) REEL TAPING

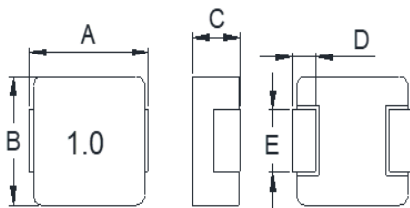


FIG1

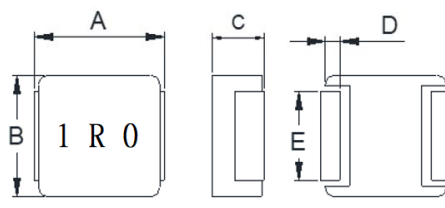
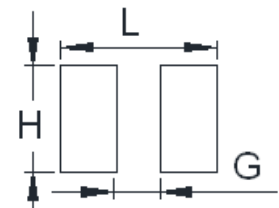


FIG2



LAND PATTERN

SHAPE & DIMENSIONS

SIZE CODE	A mm	B mm	C mm	D mm	E mm	L mm	G mm	H mm	FIG
BSF0312HCYD	3.5±0.3	3.2±0.2	1.0±0.2	0.7±0.2	1.2±0.2	4.1REF	1.9REF	1.45REF	1
BSF0315HCYD	3.5±0.3	3.2±0.2	1.3±0.2	0.7±0.2	1.2±0.2	4.1REF	1.9REF	1.45REF	1
BSF0318HCYD	3.5±0.3	3.2±0.2	1.6±0.2	0.7±0.2	1.2±0.2	4.1REF	1.9REF	1.45REF	1
BSF0320HCYD	3.5±0.3	3.2±0.2	1.8±0.2	0.7±0.2	1.2±0.2	4.1REF	1.9REF	1.45REF	1
BSF0412HCYD	4.45±0.25	4.06±0.25	1.0±0.2	0.76±0.30	2.0±0.2	5.2REF	2.2REF	2.3REF	1
BSF0415HCYD	4.45±0.25	4.06±0.25	1.3±0.2	0.76±0.30	2.0±0.2	5.2REF	2.2REF	2.3REF	1
BSF0418HCYD	4.45±0.25	4.06±0.25	1.6±0.2	0.76±0.30	2.0±0.2	5.2REF	2.2REF	2.3REF	1
BSF0420HCYD	4.45±0.25	4.06±0.25	1.8±0.2	0.76±0.30	2.0±0.2	5.2REF	2.2REF	2.3REF	1
BSF0512HCYD	5.7±0.3	5.2±0.2	1.0±0.2	1.1±0.3	2.5±0.3	6.2REF	2.2REF	2.8REF	1
BSF0515HCYD	5.7±0.3	5.2±0.2	1.3±0.2	1.1±0.3	2.5±0.3	6.2REF	2.2REF	2.8REF	1

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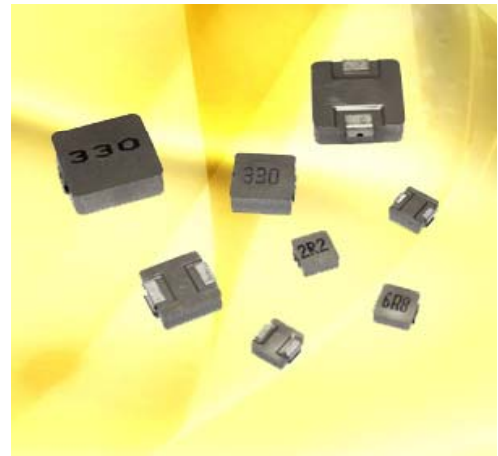
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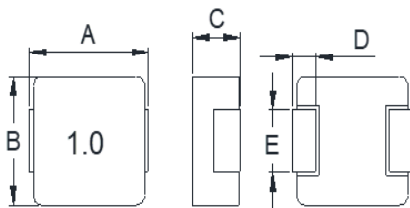


FIG1

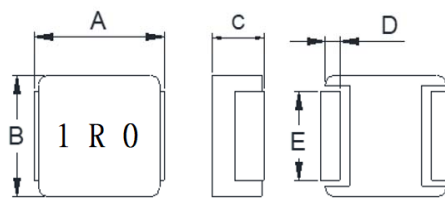
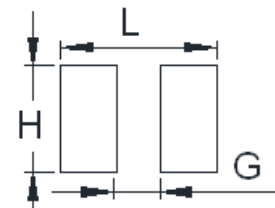


FIG2



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SHAPE & DIMENSIONS

SIZE CODE	A mm	B mm	C mm	D mm	E mm	L mm	G mm	H mm	FIG
BSF0518HCYD	5.7±0.3	5.2±0.2	1.6±0.2	1.1±0.3	2.5±0.3	6.2REF	2.2REF	2.8REF	1
BSF0520HCYD	5.7±0.3	5.2±0.2	1.8±0.2	1.1±0.3	2.5±0.3	6.2REF	2.2REF	2.8REF	1
BSF0530HCYD	5.7±0.3	5.2±0.2	2.8±0.2	1.1±0.3	2.5±0.3	6.2REF	2.2REF	2.8REF	1
BSF0612HCYD	7.0±0.3	6.6±0.3	1.0±0.2	1.8±0.3	2.5±0.3	7.7REF	2.5REF	3.0REF	1
BSF0615HCYD	7.0±0.3	6.6±0.3	1.3±0.2	1.8±0.3	3.0±0.3	7.7REF	2.5REF	3.5REF	1
BSF0618HCYD	7.0±0.3	6.6±0.3	1.6±0.2	1.8±0.3	3.0±0.3	7.7REF	2.5REF	3.5REF	1
BSF0620HCYD	7.0±0.3	6.6±0.3	1.8±0.2	1.8±0.3	3.0±0.3	7.7REF	2.5REF	3.5REF	1
BSF0624HCYD	7.0±0.3	6.6±0.3	2.2±0.2	1.8±0.3	3.0±0.3	7.7REF	2.5REF	3.5REF	1
BSF0630HCYD	7.3±0.3	6.6±0.3	2.8±0.2	1.8±0.3	3.0±0.3	8.4REF	2.5REF	3.5REF	1
BSF0640HCYD	7.3±0.3	6.6±0.3	3.8±0.2	1.8±0.3	3.0±0.3	8.4REF	2.5REF	3.5REF	1

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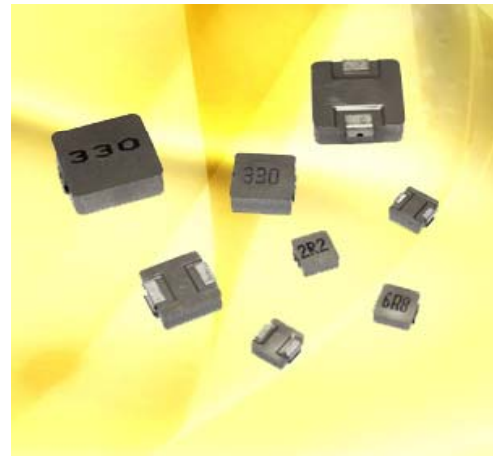
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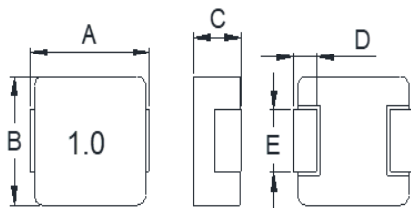


FIG1

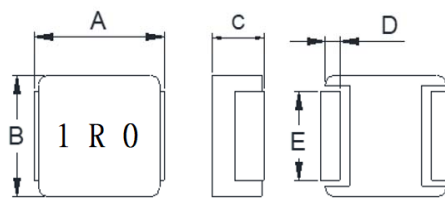
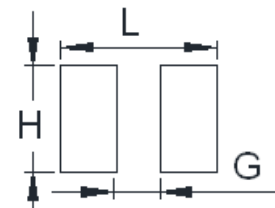


FIG2



LAND PATTERN

SHAPE & DIMENSIONS

SIZE CODE	A mm	B mm	C mm	D mm	E mm	L mm	G mm	H mm	FIG
BSF0650HCYD	7.3±0.3	6.6±0.3	4.8±0.2	1.8±0.3	3.0±0.3	8.4REF	2.5REF	3.5REF	1
BSF1030HCYD	11.0±0.5	10.0±0.3	2.8±0.2	2.3±0.3	3.0±0.3	13.6REF	5.4REF	3.5REF	1
BSF1040HCYD	11.0±0.5	10.0±0.3	3.8±0.2	2.3±0.3	3.0±0.3	13.6REF	5.4REF	3.5REF	1
BSF1050HCYD	11.0±0.5	10.0±0.3	4.8±0.2	2.3±0.3	3.0±0.3	13.6REF	5.4REF	3.5REF	1
BSF1230HCYD	13.5±0.5	12.5±0.3	2.8±0.2	2.3±0.3	4.7±0.3	14.2REF	8.0REF	5.0REF	1
BSF1235HCYD	13.5±0.5	12.5±0.3	3.3±0.2	2.3±0.3	4.7±0.3	14.2REF	8.0REF	5.0REF	1
BSF1250HCYD	13.5±0.5	12.5±0.3	4.8±0.2	2.3±0.3	4.7±0.3	14.2REF	8.0REF	5.0REF	1
BSF1260HCYD	13.5±0.5	12.5±0.3	5.7±0.3	2.3±0.3	4.7±0.3	14.2REF	8.0REF	5.0REF	1
BSF1265HCYD	13.5±0.5	12.5±0.3	6.2±0.3	2.3±0.3	4.7±0.3	14.2REF	8.0REF	5.0REF	1
BSF1770HCYD	17.6±0.4	16.9±0.3	6.7±0.3	2.1±0.3	11.9±0.3	18.5REF	12.2REF	12.5REF	2

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