

# SURFACE-MOUNT POWER INDUCTORS

## FASMD4D06-4D08 SERIES



### FEATURES:

Low DC Resistance  
Large current up to 0.95A  
Excellent Mechanical Strength  
High Reliability and Excellent Solderability  
Low and square Profile  
High heat resistance

### OPTIONS:

Packaging:Tape & Reel is standard  
(Qty:2000pcs)  
Bulk packaging available for smaller quantities  
Tolerance:10% and 5% is standard  
tighter tolerances available

### COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters  
Video Digital Cameras  
Communication System  
Automotive Systems Power supplier  
LCD PDP Televisions  
Hard Disk Drives, Topset, XDSL  
Network Systems  
Computer Peripheral Equipment

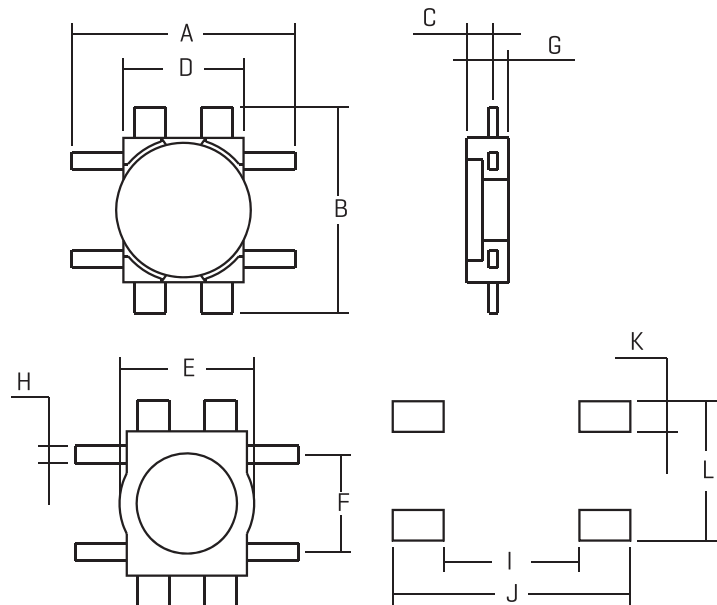
### ELECTRICAL CHARACTERISTICS

Part Number	L $\mu$ H	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L $\mu$ H	Test Freq KHz	DCR ohm Max	IDC Max A
FASMD4D06-2R2M	2.2	100	0.116	0.95	FASMD4D08-3R3M	3.3	100	0.060	0.85
FASMD4D06-3R3M	3.3	100	0.174	0.77	FASMD4D08-4R7M	4.7	100	0.194	0.80
FASMD4D06-4R7M	4.7	100	0.216	0.75	FASMD4D08-6R8M	6.8	100	0.276	0.65
FASMD4D06-6R8M	6.8	100	0.296	0.62	FASMD4D08-100M	10	100	0.335	0.57
FASMD4D06-100M	10	100	0.457	0.50	FASMD4D08-150M	15	100	0.508	0.45
FASMD4D06-150M	15	100	0.676	0.40	FASMD4D08-220M	22	100	0.766	0.37
FASMD4D06-220M	22	100	1.066	0.30	FASMD4D08-330M	33	100	1.162	0.28
FASMD4D06-330M	33	100	1.647	0.24	FASMD4D08-470M	47	100	1.658	0.22
FASMD4D06-470M	47	100	2.843	0.18	FASMD4D08-680M	68	100	2.534	0.18

Note:1. K=±10%,M=±20%,N=±30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Inductance Testing: HP4284A  
HP4285A or equivalent  
RDC:QuadTech 1880 Milliohmmete  
Q- HP4342A  
SRF-HP4191A or HP4194A  
Rated Current L value drop10%typ.at  
I DC against its initial value  
Temperature rise 40°C Max  
Reference ambient temperature  
Solderability: 75% of the lead wire  
Shall be covered  
Soldering Methods: Wave,Reflow  
Operating Temperature:-25°C to +85°C  
Storage Temperature: -55°C to +125°C  
Terminal bending strength:24.5N Min  
Moisture resistance  
 $\Delta L/L \leq \pm 10\%$   $\Delta Q/Q \leq \pm 25\%$



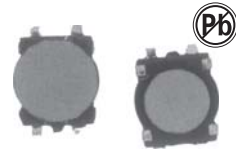
LAND PATTERNS

#### DIMENSIONS IN mm

Part number	A	B	C	D	E	F	G	H	I	J	K	L
FASMD4D06	6.5M ax	6.0M ax	0.8M ax	3.5	4.1	3.2	0.4	0.5	4	7	0.9	4.1
FASMD4D08	6.2M ax	5.8M ax	1.0M ax	3.5	4.1	3.2	0.4	0.5	4	7	0.9	4.1

Note:All specifications subject to change without notice.

# SURFACE-MOUNT POWER INDUCTORS FASMD4D11-4D13 SERIES



## FEATURES:

Ferrite Core Structure  
Low DC Resistance  
Large current up to 0.95A  
Excellent Mechanical Strength  
High Reliability and Excellent Solderability  
Low and square Profile  
High heat resistance

## OPTIONS:

Packaging:Tape & Reel is standard  
[Qty:2000pcs]  
Bulk packaging available for smaller quantities  
Tolerance:10% and 5% is standard  
tighter tolerances available

## COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters  
Video Digital Cameras  
Communication System  
Automotive Systems Power supplier  
LCD PDP Televisions  
Hard Disk Drives, Topset, XDSL  
Network Systems  
Computer Peripheral Equipment

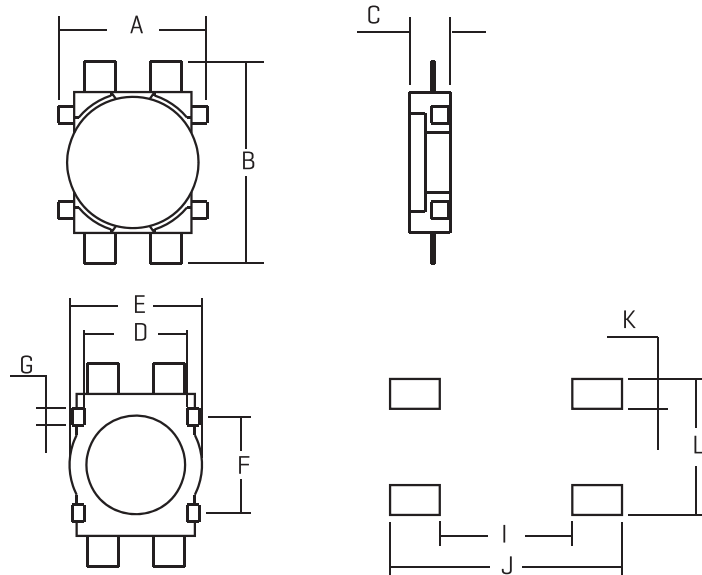
## ELECTRICAL CHARACTERISTICS

Part Number	L $\mu$ H	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L $\mu$ H	Test Freq KHz	DCR ohm Max	IDC Max A
FASMD4D11-2R2M	2.2	100	0.116	0.95	FASMD4D13-2R2M	2.2	100	0.160	0.85
FASMD4D11-3R3M	3.3	100	0.174	0.77	FASMD4D13-3R3M	3.3	100	0.194	0.80
FASMD4D11-4R7M	4.7	100	0.216	0.75	FASMD4D13-4R7M	4.7	100	0.276	0.65
FASMD4D11-6R8M	6.8	100	0.296	0.62	FASMD4D13-6R8M	6.8	100	0.335	0.57
FASMD4D11-100M	10	100	0.457	0.50	FASMD4D13-120M	12	100	0.508	0.45
FASMD4D11-150M	15	100	0.676	0.40	FASMD4D13-180M	18	100	0.766	0.37
FASMD4D11-220M	22	100	1.066	0.30	FASMD4D13-330M	33	100	1.162	0.28
FASMD4D11-330M	33	100	1.647	0.24	FASMD4D13-470M	47	100	1.658	0.22
FASMD4D11-470M	47	100	2.843	0.18	FASMD4D13-680M	68	100	2.534	0.18
					FASMD4D13-101M	100	100	3.304	0.17

Note:1. K= $\pm$ 10%,M= $\pm$ 20%,N= $\pm$ 30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

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RDC:QuadTech 1880 Milliohmmete  
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Soldering Methods: Wave,Reflow  
Operating Temperature:-25°C to +85°C  
Storage Temperature:-55°C to +125°C  
Terminal bending strength:24.5N Min  
Moisture resistance  
 $\Delta$ L/L $\leq$  $\pm$ 10%  $\Delta$ Q/Q $\leq$  $\pm$ 25%



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### DIMENSIONS IN mm

Part number	A	B	C	D	E	F	G	I	J	K	L
FASMD4D11	4.5Max	6.0Max	1.3Max	2.9	3.7	3.2	0.5	3.0	5.8	0.8	4.1
FASMD4D13	4.4Max	5.8Max	1.45Max	2.9	3.7	3.7	0.5	2.5	5.3	0.8	4.0

Note:All specifications subject to change without notice.