

## MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH6025-6028 SERIES



### FEATURES:

Magnetically Shielded Structure  
Low DC Resistance  
Large current up to 2.7A  
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 Systems  
Automotive Systems Power supplier  
LCD PDP Televisions  
Hard Disk Drives, Topset, XDSL  
Network Systems  
Computer Peripheral Equipment

### ELECTRICAL CHARACTERISTICS

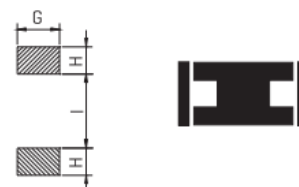
Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH6025-1R0N	1.0	100	0.016	2.70
FASDRH6025-2R7N	2.7	100	0.022	1.80
FASDRH6025-4R7N	4.7	100	0.037	1.50
FASDRH6025-6R8N	6.8	100	0.054	1.30
FASDRH6025-100M	10	100	0.069	1.00
FASDRH6025-150M	15	100	0.102	0.88
FASDRH6025-220M	22	100	0.147	0.73
FASDRH6025-330K	33	100	0.216	0.58
FASDRH6025-470M	47	100	0.288	0.48
FASDRH6025-680K	68	100	0.444	0.42
FASDRH6025-101M	100	100	0.600	0.33
FASDRH6028-4R7N	4.7	1	0.035	1.60
FASDRH6028-6R8N	6.8	1	0.043	1.50
FASDRH6028-100M	10	1	0.064	1.30
FASDRH6028-150M	15	1	0.090	1.00
FASDRH6028-220M	22	1	0.125	0.77
FASDRH6028-330K	33	1	0.178	0.69
FASDRH6028-470M	47	1	0.252	0.59
FASDRH6028-680K	68	1	0.348	0.50
FASDRH6028-101M	100	1	0.516	0.42

Note 1. K=±10%, M=±20%, N=±30%

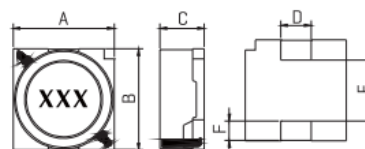
### TECHNICAL INFORMATION

Inductance Testing: HP4284A (Equivalent acceptable)  
DCR:QuadTech 1880 Milliohm-meter  
Q: HP4342A - SRF-HP43191A  
IDC Max current is decreased 10% against its initial value  
Operating temperature: -40°C to +105°C  
Storage Temperature: -40°C to +105°C  
Solder methods: Vapor Phase, Infrared Reflow  
Resistance to soldering heat: 260°C for 10 second  
Solvent resistance: Conforms to MIL-STD-202E  
Marking: Inductance & Tolerance  
Note: All specifications subject to change without notice.

### PHYSICAL CHARACTERISTICS



### LAND PATTERNS CONSTRUCTION



### DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH6025	6.3Max	6.3Max	2.8Max	2.0	4.0	1.2	2.8	2.0	2.0
FASDRH6028	6.3Max	6.3Max	3.1Max	2.0	4.0	1.2	2.8	2.0	2.0