

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH8D28-8D43 SERIES



## FEATURES:

Magnetically Shielded Structure  
Low DC Resistance  
Large current up to 6.4A  
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

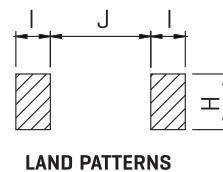
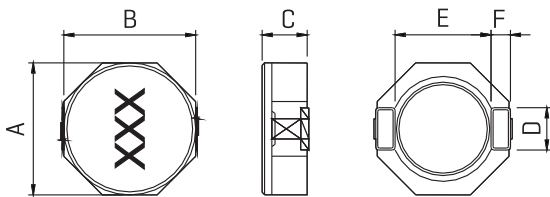
## ELECTRICAL CHARACTERISTICS

Part Number	L μH	Test Freq KHz	DCR mohm Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR mohm Max	IDC Max A
FASDRH8D28-2R5N	2.5	100	18.5	5.4	FASDRH8D43-2R0N	2.0	100	14	6.4
FASDRH8D28-3R3N	3.3	100	24.6	4.8	FASDRH8D43-3R9N	3.9	100	19	5.0
FASDRH8D28-4R7N	4.7	100	36.8	4.0	FASDRH8D43-4R7N	4.7	100	22	4.6
FASDRH8D28-6R8N	6.8	100	48.4	3.2	FASDRH8D43-6R8N	6.8	100	32	4.2
FASDRH8D28-100N	100	100	62.2	2.7	FASDRH8D43-100N	10	100	40	3.6
FASDRH8D28-150N	150	100	93.5	2.2	FASDRH8D43-150N	15	100	58	2.6
FASDRH8D28-220N	220	100	156.6	1.8	FASDRH8D43-220N	22	100	96	2.1
FASDRH8D28-330N	330	100	205.2	1.4	FASDRH8D43-330N	33	100	144	1.6
FASDRH8D28-470N	470	100	266.1	1.25	FASDRH8D43-470N	47	100	195	1.4
FASDRH8D28-680N	680	100	368.5	0.96	FASDRH8D43-680N	68	100	240	1.2
FASDRH8D28-101N	101	100	610.8	0.78	FASDRH8D43-101N	100	100	360	0.9

Note: 1. K=±10%, M=±20%, N=±30%

## TECHNICAL INFORMATION:

## PHYSICAL CHARACTERISTICS:



## CONSTRUCTION



Inductance Testing: HP4284A [Equivalent acceptable]  
DCR: QuadTech 1880 Milliohm meter  
Q- HP4342A - SRF-HP4191A  
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 seconds  
Solvent resistance: Conforms to MIL-STD-202E  
Marking: Inductance & Tolerance  
Note: All specifications subject to change without notice.

## DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	H	I	J
FASDRH8D28	8.3Max	8.3Max	3.0Max	2.5	6.3	1.2	2.8	2.0	6.1
FASDRH8D43	8.3Max	8.3Max	4.5Max	2.5	6.3	1.2	2.8	2.0	6.1