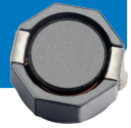


Wire Wound SMD Power Inductors – SWRH – DC Series



Operating Temp ◆ -40°C ~ +125°C (Including Self-heating)

Features

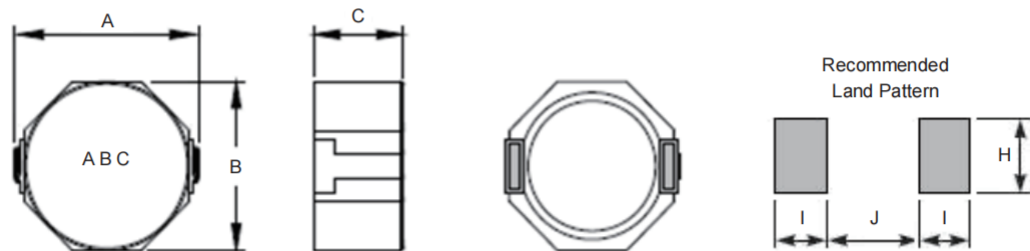
- ◆ High saturation current, low DCR
- ◆ Suitable for surface mounting equipment
- ◆ Close magnetic circuit design reduce leakage

Applications ◆ Power supply choke for small electrical equipments such as DVC, LCD display, notebook, communication equipment, OA equipment and so on.

Product Identification

1 SWRH	2 8D28	3 BC	4 -100	5 M	6 T														
1 Type <table><tr><td>SWRH</td><td>Wire Wound SMD Type Power Inductors (With Metallic Base)</td></tr></table>		SWRH	Wire Wound SMD Type Power Inductors (With Metallic Base)	2 External Dimensions <table><tr><td>8D28~8D43</td></tr></table>		8D28~8D43	3 Configuration <table><tr><td>C</td><td>C Type Base</td></tr></table>		C	C Type Base									
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4 Nominal Inductance <table><tr><td>Example</td><td>Nominal Value</td></tr><tr><td>1R0</td><td>1.0μH</td></tr><tr><td>100</td><td>10μH</td></tr><tr><td>101</td><td>100μH</td></tr></table>		Example	Nominal Value	1R0	1.0μH	100	10μH	101	100μH	5 Inductance Tolerance <table><tr><td>M</td><td>± 20%</td></tr><tr><td>N</td><td>± 30%</td></tr></table>		M	± 20%	N	± 30%	6 Packing <table><tr><td>T</td><td>Tape Carrier Package</td></tr></table>		T	Tape Carrier Package
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100	10μH																		
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M	± 20%																		
N	± 30%																		
T	Tape Carrier Package																		

Shape and Dimensions



Unit: mm

Series	A max.	B max.	C max.	I typ.	J typ.	H typ.
SWRH8D28C	10.1	8.3	3.0	2.0	6.1	2.8
SWRH8D38C	10.1	8.3	4.0	2.0	6.1	2.8
SWRH8D43C	10.1	8.3	4.5	2.0	6.1	2.8

Specifications

SWRH8D28C TYPE

Part Number	pInductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
SWRH8D28C-2R5NT	2.5 ± 30%	100k, 0.3V	0.016	4.50
SWRH8D28C-3R3NT	3.3 ± 30%	100k, 0.3V	0.018	4.00
SWRH8D28C-4R7NT	4.7 ± 30%	100k, 0.3V	0.025	3.40
SWRH8D28C-6R8NT	6.8 ± 30%	100k, 0.3V	0.030	3.00
SWRH8D28C-8R2NT	8.2 ± 30%	100k, 0.3V	0.038	2.75
SWRH8D28C-100MT	10 ± 20%	1k, 0.3V	0.047	2.50
SWRH8D28C-150MT	15 ± 20%	1k, 0.3V	0.069	1.90
SWRH8D28C-220MT	22 ± 20%	1k, 0.3V	0.099	1.60
SWRH8D28C-330MT	33 ± 20%	1k, 0.3V	0.156	1.30
SWRH8D28C-470MT	47 ± 20%	1k, 0.3V	0.195	1.15
SWRH8D28C-680MT	68 ± 20%	1k, 0.3V	0.286	0.92
SWRH8D28C-820MT	82 ± 20%	1k, 0.3V	0.375	0.83
SWRH8D28C-101MT	100 ± 20%	1k, 0.3V	0.430	0.75

SWRH8D38C TYPE

Part Number	pInductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
SWRH8D38C-1R5NT	1.5 ± 30%	100k, 0.3V	0.019	6.00
SWRH8D38C-2R2NT	2.2 ± 30%	100k, 0.3V	0.021	5.50
SWRH8D38C-3R3NT	3.3 ± 30%	100k, 0.3V	0.024	5.00
SWRH8D38C-4R7NT	4.7 ± 30%	100k, 0.3V	0.029	4.40
SWRH8D38C-6R8NT	6.8 ± 30%	100k, 0.3V	0.038	3.60
SWRH8D38C-8R2NT	8.2 ± 30%	100k, 0.3V	0.043	3.30
SWRH8D38C-100MT	10 ± 20%	1k, 0.3V	0.048	3.00
SWRH8D38C-150MT	15 ± 20%	1k, 0.3V	0.067	2.50
SWRH8D38C-220MT	22 ± 20%	1k, 0.3V	0.105	2.00
SWRH8D38C-330MT	33 ± 20%	1k, 0.3V	0.157	1.60
SWRH8D38C-470MT	47 ± 20%	1k, 0.3V	0.189	1.42
SWRH8D38C-680MT	68 ± 20%	1k, 0.3V	0.290	1.08
SWRH8D38C-820MT	82 ± 20%	1k, 0.3V	0.372	0.95
SWRH8D38C-101MT	100 ± 20%	1k, 0.3V	0.410	0.88

SWRH8D43C TYPE

Part Number	pInductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
SWRH8D43C-2R0NT	2.0 ± 30%	100k, 0.3V	0.014	5.50
SWRH8D43C-2R2NT	2.2 ± 30%	100k, 0.3V	0.016	5.00
SWRH8D43C-3R3NT	3.3 ± 30%	100k, 0.3V	0.019	4.50
SWRH8D43C-4R7NT	4.7 ± 30%	100k, 0.3V	0.022	4.10
SWRH8D43C-6R8NT	6.8 ± 30%	100k, 0.3V	0.025	3.90
SWRH8D43C-8R2NT	8.2 ± 30%	100k, 0.3V	0.030	3.50
SWRH8D43C-100MT	10 ± 20%	1k, 0.3V	0.036	3.20
SWRH8D43C-220MT	22 ± 20%	1k, 0.3V	0.075	1.80
SWRH8D43C-330MT	33 ± 20%	1k, 0.3V	0.125	1.40
SWRH8D43C-470MT	47 ± 20%	1k, 0.3V	0.150	1.30
SWRH8D43C-680MT	68 ± 20%	1k, 0.3V	0.240	1.00
SWRH8D43C-820MT	82 ± 20%	1k, 0.3V	0.300	0.90
SWRH8D43C-101MT	100 ± 20%	1k, 0.3V	0.360	0.80