

FEATURES

- Excellent solder ability and high heat resistance.
- Excellent terminal strength construction.
- Packed in embossed carrier tape and can be used by automatic mounting machine.
- The products contain no lead and also support lead-free soldering.



APPLICATIONS

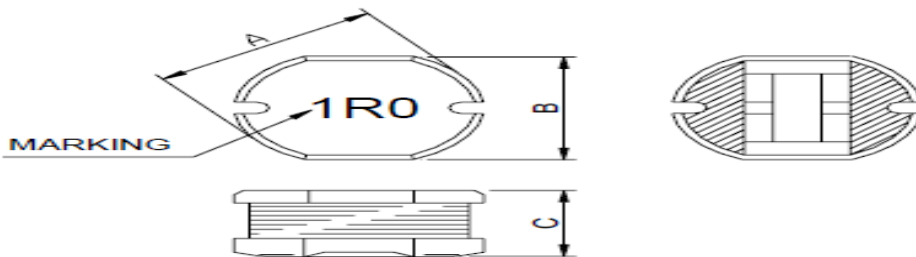
VTR,OA equipment, LCD television set, NOTEBOOK, portable communication equipments, DC/DC converters, etc

Product Identification

HSDR 32 - 100 M I □□
 (1) (2) (3) (4) (5) (6)

- (1) PRODUCT TYPE CODE
- (2) DIMENSIONS
- (3) INDUCTANCE
- (4) INDUCTANCE TOLARANCE
- (5) REEL TAPPING
- (6) PRODUCT FACTORY

CONFIGURATIONS & DIMENSIONS (unit in mm)



TYPE	A	B	C	D	E	F	G
HSDR32	3.0±0.3	2.3max	3.5±0.3	1.2	3.5	1.60	0.8
HSDR43	4.0±0.3	3.2±0.3	4.5±0.3	1.5	4.5	2.1	0.8
HSDR52	5.2±0.3	2.5±0.3	5.8±0.3	2.0	5.5	2.25	1.5
HSDR53	5.2±0.3	3.0±0.3	5.8±0.3	2.0	5.5	2.25	1.5

HSDR54	5.2±0.3	4.5±0.3	5.8±0.3	2.0	5.5	2.25	1.5
HSDR73	7.0±0.3	3.5±0.3	7.8±0.3	2.5	7.5	3.05	1.9
HSDR75	7.0±0.3	5.0±0.3	7.8±0.3	2.5	7.5	3.05	1.9
HSDR104	9.0±0.3	4.0±0.3	10.0	2.9	9.5	3.65	2.5
HSDR105	9.0±0.3	5.4±0.3	10.0	2.9	9.5	3.65	2.5

SMD POWER Inductor/Open Wound

RoHS
COMPLIANT

ELECTRICAL CHARACTERISTICS FOR HSDR32 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR32-1R0MT	1.00	100	0.045	2.20
HSDR32-1R2MT	1.20	100	0.050	2.10
HSDR32-1R5MT	1.50	100	0.055	1.70
HSDR32-1R8MT	1.80	100	0.070	1.65
HSDR32-2R2MT	2.20	100	0.085	1.60
HSDR32-2R7MT	2.70	100	0.100	1.40
HSDR32-3R3MT	3.30	100	0.120	1.05
HSDR32-3R9MT	3.90	100	0.125	1.00
HSDR32-4R7MT	4.70	100	0.135	1.00
HSDR32-5R6MT	5.60	100	0.145	0.95
HSDR32-6R8MT	6.80	100	0.200	0.95
HSDR32-8R2MT	8.20	100	0.250	0.92
HSDR32-100KT	10.00	100	0.320	0.90
HSDR32-120KT	12.00	100	0.350	0.85
HSDR32-150KT	15.00	100	0.460	0.75
HSDR32-180KT	18.00	100	0.520	0.70
HSDR32-220KT	22.00	100	0.650	0.60
HSDR32-270KT	27.00	100	0.750	0.55
HSDR32-330KT	33.00	100	0.920	0.50
HSDR32-390KT	39.00	100	1.000	0.48
HSDR32-470KT	47.00	100	1.150	0.45
HSDR32-560KT	56.00	100	1.500	0.30
HSDR32-680KT	68.00	100	2.000	0.26
HSDR32-820KT	82.00	100	2.150	0.23
HSDR32-101KT	100.00	100	2.500	0.20
HSDR32-121KT	120.00	100	3.400	0.18
HSDR32-151KT	150.00	100	4.200	0.16
HSDR32-181KT	180.00	100	4.500	0.15
HSDR32-221KT	220.00	100	5.100	0.14
HSDR32-271KT	270.00	100	8.500	0.10
HSDR32-331KT	330.00	100	9.500	0.09

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RoHS
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ELECTRICAL CHARACTERISTICS FOR HSDR43 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR43-1R0MT	1.00	7.96 M	0.033	3.80
HSDR43-1R4MT	1.40	7.96 M	0.038	3.30
HSDR43-1R8MT	1.80	7.96 M	0.042	2.91
HSDR43-2R2MT	2.20	7.96 M	0.047	2.60
HSDR43-2R7MT	2.70	7.96 M	0.052	2.43
HSDR43-3R3MT	3.30	7.96 M	0.058	2.15
HSDR43-3R9MT	3.90	7.96 M	0.076	1.98
HSDR43-4R7MT	4.70	7.96 M	0.094	1.70
HSDR43-5R6MT	5.60	7.96 M	0.101	1.60
HSDR43-6R8MT	6.80	7.96 M	0.117	1.41
HSDR43-8R2MT	8.20	7.96 M	0.132	1.26
HSDR43-100KT	10.00	2.52 M	0.182	1.15
HSDR43-120KT	12.00	2.52 M	0.210	1.05
HSDR43-150KT	15.00	2.52 M	0.235	0.92
HSDR43-180KT	18.00	2.52 M	0.338	0.84
HSDR43-220KT	22.00	2.52 M	0.378	0.76
HSDR43-270KT	27.00	2.52 M	0.522	0.71
HSDR43-330KT	33.00	2.52 M	0.540	0.64
HSDR43-390KT	39.00	2.52 M	0.587	0.59
HSDR43-470KT	47.00	2.52 M	0.844	0.54
HSDR43-560KT	56.00	2.52 M	0.937	0.50
HSDR43-680KT	68.00	2.52 M	1.117	0.46
HSDR43-820KT	82.00	1 K	1.345	0.45
HSDR43-101KT	100.00	1 K	1.520	0.44
HSDR43-121KT	120.00	1 K	1.800	0.43
HSDR43-151KT	150.00	1 K	2.000	0.42
HSDR43-181KT	180.00	1 K	3.200	0.38
HSDR43-221KT	220.00	1 K	3.400	0.36
HSDR43-271KT	270.00	1 K	3.900	0.34
HSDR43-331KT	330.00	1 K	5.300	0.28
HSDR43-391KT	390.00	1 K	5.900	0.24
HSDR43-471KT	470.00	1 K	6.800	0.21
HSDR43-561KT	560.00	1 K	8.500	0.20
HSDR43-681KT	680.00	1 K	10.000	0.18
HSDR43-821KT	820.00	1 K	13.400	0.15

SMD POWER Inductor/Open Wound

RoHS
COMPLIANT

ELECTRICAL CHARACTERISTICS FOR HSDR52 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR52-1R2MT	1.20	100	0.050	4.20
HSDR52-1R5MT	1.50	100	0.060	4.00
HSDR52-1R8MT	1.80	100	0.065	3.70
HSDR52-2R2MT	2.20	100	0.070	3.50
HSDR52-2R7MT	2.70	100	0.080	3.20
HSDR52-3R3MT	3.30	100	0.100	2.70
HSDR52-3R9MT	3.90	100	0.120	2.40
HSDR52-4R7MT	4.70	100	0.140	2.00
HSDR52-5R6MT	5.60	100	0.150	1.80
HSDR52-6R8MT	6.80	100	0.160	1.50
HSDR52-8R2MT	8.20	100	0.170	1.40
HSDR52-100KT	10.00	100	0.200	1.30
HSDR52-120KT	12.00	100	0.230	1.10
HSDR52-150KT	15.00	100	0.250	1.05
HSDR52-180KT	18.00	100	0.300	1.00
HSDR52-220KT	22.00	100	0.350	0.90
HSDR52-270KT	27.00	100	0.400	0.85
HSDR52-330KT	33.00	100	0.500	0.75
HSDR52-390KT	39.00	100	0.550	0.70

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HSDR52-560KT	56.00	100	0.750	0.55
HSDR52-680KT	68.00	100	0.950	0.50
HSDR52-820KT	82.00	100	1.200	0.45
HSDR52-101KT	100.00	100	1.400	0.40
HSDR52-121KT	120.00	100	1.750	0.35
HSDR52-151KT	150.00	100	2.000	0.25
HSDR52-181KT	180.00	100	2.600	0.22
HSDR52-221KT	220.00	100	3.000	0.20
HSDR52-271KT	270.00	100	3.700	0.18
HSDR52-331KT	330.00	100	4.300	0.17
HSDR52-391KT	390.00	100	6.000	0.16
HSDR52-471KT	470.00	100	6.700	0.15

ELECTRICAL CHARACTERISTICS FOR HSDR53 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR53-1R0MT	1.00	7.96 M	0.030	4.50
HSDR53-1R2MT	1.20	7.96 M	0.030	4.20
HSDR53-1R5MT	1.50	7.96 M	0.030	4.10
HSDR53-1R8MT	1.80	7.96 M	0.030	3.70
HSDR53-2R2MT	2.20	7.96 M	0.030	3.50
HSDR53-2R7MT	2.70	7.96 M	0.040	3.20
HSDR53-3R3MT	3.30	7.96 M	0.050	2.80
HSDR53-3R9MT	3.90	7.96 M	0.060	2.60
HSDR53-4R7MT	4.70	7.96 M	0.070	2.50
HSDR53-5R6MT	5.60	7.96 M	0.080	2.40
HSDR53-6R8MT	6.80	7.96 M	0.090	2.20
HSDR53-8R2MT	8.20	7.96 M	0.100	2.00
HSDR53-100KT	10.00	2.52 M	0.120	1.80
HSDR53-120KT	12.00	2.52 M	0.130	1.75
HSDR53-150KT	15.00	2.52 M	0.150	1.70
HSDR53-180KT	18.00	2.52 M	0.180	1.60
HSDR53-220KT	22.00	2.52 M	0.220	1.50
HSDR53-270KT	27.00	2.52 M	0.240	1.40
HSDR53-330KT	33.00	2.52 M	0.300	1.10
HSDR53-390KT	39.00	2.52 M	0.400	1.00

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HSDR53-470KT	47.00	2.52 M	0.430	0.90
HSDR53-560KT	56.00	2.52 M	0.500	0.85
HSDR53-680KT	68.00	2.52 M	0.600	0.80
HSDR53-820KT	82.00	2.52 M	0.800	0.65
HSDR53-101KT	100.00	1 K	0.900	0.60
HSDR53-121KT	120.00	1 K	1.000	0.58
HSDR53-151KT	150.00	1 K	1.300	0.43
HSDR53-181KT	180.00	1 K	1.500	0.41
HSDR53-221KT	220.00	1 K	2.000	0.38
HSDR53-271KT	270.00	1 K	2.500	0.35
HSDR53-331KT	330.00	1 K	3.200	0.28
HSDR53-391KT	390.00	1 K	3.500	0.26
HSDR53-471KT	470.00	1 K	4.200	0.20
HSDR53-561KT	560.00	1 K	4.500	0.19
HSDR53-681KT	680.00	1 K	6.000	0.18
HSDR53-821KT	820.00	1 K	6.500	0.15
HSDR53-102KT	1000.00	1 K	8.000	0.13

ELECTRICAL CHARACTERISTICS FOR HSDR54 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR54-1R0MT	1.00	7.96 M	0.015	5.90
HSDR54-1R2MT	1.20	7.96 M	0.020	5.20
HSDR54-1R5MT	1.50	7.96 M	0.025	4.70
HSDR54-1R8MT	1.80	7.96 M	0.030	4.00
HSDR54-2R2MT	2.20	7.96 M	0.035	3.80
HSDR54-2R7MT	2.70	7.96 M	0.040	3.40
HSDR54-3R3MT	3.30	7.96 M	0.045	3.30
HSDR54-3R9MT	3.90	7.96 M	0.050	2.90
HSDR54-4R7MT	4.70	7.96 M	0.060	2.80
HSDR54-5R6MT	5.60	7.96 M	0.070	2.40
HSDR54-6R8MT	6.80	7.96 M	0.080	2.10
HSDR54-8R2MT	8.20	7.96 M	0.090	2.00
HSDR54-100KT	10.00	2.52 M	0.100	1.44
HSDR54-120KT	12.00	2.52 M	0.120	1.40
HSDR54-150KT	15.00	2.52 M	0.140	1.30
HSDR54-180KT	18.00	2.52 M	0.150	1.23
HSDR54-220KT	22.00	2.52 M	0.180	1.11

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HSDR54-270KT	27.00	2.52 M	0.200	0.97
HSDR54-330KT	33.00	2.52 M	0.230	0.88
HSDR54-390KT	39.00	2.52 M	0.320	0.80
HSDR54-470KT	47.00	2.52 M	0.370	0.72
HSDR54-560KT	56.00	2.52 M	0.420	0.68
HSDR54-680KT	68.00	2.52 M	0.460	0.61
HSDR54-820KT	82.00	2.52 M	0.600	0.58
HSDR54-101KT	100.00	1 K	0.700	0.52
HSDR54-121KT	120.00	1 K	0.930	0.48
HSDR54-151KT	150.00	1 K	1.100	0.40
HSDR54-181KT	180.00	1 K	1.380	0.38
HSDR54-221KT	220.00	1 K	1.570	0.35
HSDR54-271KT	270.00	1 K	1.650	0.32
HSDR54-331KT	330.00	1 K	1.700	0.28
HSDR54-391KT	390.00	1 K	1.800	0.26
HSDR54-471KT	470.00	1 K	2.300	0.23
HSDR54-561KT	560.00	1 K	2.500	0.20
HSDR54-681KT	680.00	1 K	3.000	0.19
HSDR54-821KT	820.00	1 K	4.500	0.16
HSDR54-102KT	1000.00	1 K	4.800	0.14

ELECTRICAL CHARACTERISTICS FOR HSDR73 SERIES

Part Number 產品料號	Inductance (μH) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR73-100KT	10.00	2.52 M	0.080	1.44
HSDR73-120KT	12.00	2.52 M	0.090	1.39
HSDR73-150KT	15.00	2.52 M	0.100	1.24
HSDR73-180KT	18.00	2.52 M	0.110	1.12
HSDR73-220KT	22.00	2.52 M	0.130	1.07
HSDR73-270KT	27.00	2.52 M	0.150	0.94
HSDR73-330KT	33.00	2.52 M	0.170	0.85
HSDR73-390KT	39.00	2.52 M	0.220	0.74
HSDR73-470KT	47.00	2.52 M	0.250	0.68
HSDR73-560KT	56.00	2.52 M	0.280	0.64
HSDR73-680KT	68.00	2.52 M	0.330	0.59
HSDR73-820KT	82.00	2.52 M	0.410	0.54
HSDR73-101KT	100.00	1 K	0.480	0.51

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HSDR73-121KT	120.00	1 K	0.540	0.49
HSDR73-151KT	150.00	1 K	0.750	0.40
HSDR73-181KT	180.00	1 K	1.020	0.36
HSDR73-221KT	220.00	1 K	1.200	0.31
HSDR73-271KT	270.00	1 K	1.310	0.29
HSDR73-331KT	330.00	1 K	1.500	0.28
HSDR73-391KT	390.00	1 K	1.800	0.26
HSDR73-471KT	470.00	1 K	1.950	0.23
HSDR73-561KT	560.00	1 K	2.300	0.21
HSDR73-681KT	680.00	1 K	2.700	0.13
HSDR73-821KT	820.00	1 K	3.200	0.11
HSDR73-102KT	1000.00	1 K	3.800	0.08

ELECTRICAL CHARACTERISTICS FOR HSDR75 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR75-100MT	10.00	2.52 M	0.070	2.30
HSDR75-120MT	12.00	2.52 M	0.080	2.00
HSDR75-150MT	15.00	2.52 M	0.090	1.80
HSDR75-180MT	18.00	2.52 M	0.100	1.60
HSDR75-220MT	22.00	2.52 M	0.110	1.50
HSDR75-270MT	27.00	2.52 M	0.120	1.30
HSDR75-330MT	33.00	2.52 M	0.130	1.20
HSDR75-390 MT	39.00	2.52 M	0.160	1.10
HSDR75-470MT	47.00	2.52 M	0.180	1.10
HSDR75-560MT	56.00	2.52 M	0.240	0.94
HSDR75-680 MT	68.00	2.52 M	0.280	0.85
HSDR75-820MT	82.00	2.52 M	0.370	0.78
HSDR75-101MT	100.00	1 K	0.430	0.72
HSDR75-121MT	120.00	1 K	0.470	0.66
HSDR75-151MT	150.00	1 K	0.640	0.58

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HSDR75-181MT	180.00	1 K	0.710	0.51
HSDR75-221MT	220.00	1 K	0.960	0.49
HSDR75-271MT	270.00	1 K	1.110	0.42
HSDR75-331MT	330.00	1 K	1.260	0.40
HSDR75-391MT	390.00	1 K	1.770	0.36
HSDR75-471MT	470.00	1 K	1.960	0.34
HSDR75-561MT	560.00	1 K	2.000	0.33
HSDR75-681MT	680.00	1 K	2.200	0.32
HSDR75-821MT	820.00	1 K	2.900	0.25
HSDR75-102MT	1000.00	1 K	3.900	0.20

ELECTRICAL CHARACTERISTICS FOR HSDR104 SERIES

Part Number 產品料號	Inductance (μ H) 電感值(L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR104-100KT	10.00	2.52 M	0.053	2.38
HSDR104-120KT	12.00	2.52 M	0.061	2.13
HSDR104-150KT	15.00	2.52 M	0.070	1.87
HSDR104-180KT	18.00	2.52 M	0.081	1.73
HSDR104-220KT	22.00	2.52 M	0.088	1.60
HSDR104-270KT	27.00	2.52 M	0.100	1.44
HSDR104-330KT	33.00	2.52 M	0.120	1.26
HSDR104-390KT	39.00	2.52 M	0.151	1.20
HSDR104-470KT	47.00	2.52 M	0.170	1.10
HSDR104-560KT	56.00	2.52 M	0.199	1.01
HSDR104-680KT	68.00	2.52 M	0.223	0.91
HSDR104-820KT	82.00	2.52 M	0.252	0.85
HSDR104-101KT	100.00	1 K	0.344	0.74
HSDR104-121KT	120.00	1 K	0.396	0.69
HSDR104-151KT	150.00	1 K	0.544	0.61
HSDR104-181KT	180.00	1 K	0.621	0.56
HSDR104-221KT	220.00	1 K	0.721	0.53
HSDR104-271KT	270.00	1 K	0.949	0.45

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HSDR104-331KT	330.00	1 K	1.100	0.42
HSDR104-391KT	390.00	1 K	1.245	0.38
HSDR104-471KT	470.00	1 K	1.526	0.35
HSDR104-561KT	560.00	1 K	1.904	0.32
HSDR104-681KT	680.00	1 K	2.200	0.31
HSDR104-821KT	820.00	1 K	2.700	0.30
HSDR104-102KT	1000.00	1 K	3.500	0.29

ELECTRICAL CHARACTERISTICS FOR HSDR105 SERIES

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSDR105-100KT	10.00	2.52 M	0.060	2.60
HSDR105-120KT	12.00	2.52 M	0.070	2.45
HSDR105-150KT	15.00	2.52 M	0.080	2.27
HSDR105-180KT	18.00	2.52 M	0.090	2.15
HSDR105-220KT	22.00	2.52 M	0.100	1.95
HSDR105-270KT	27.00	2.52 M	0.110	1.76
HSDR105-330KT	33.00	2.52 M	0.120	1.50
HSDR105-390KT	39.00	2.52 M	0.140	1.37
HSDR105-470KT	47.00	2.52 M	0.170	1.28
HSDR105-560KT	56.00	2.52 M	0.190	1.17
HSDR105-680KT	68.00	2.52 M	0.220	1.11
HSDR105-820KT	82.00	2.52 M	0.250	1.00
HSDR105-101KT	100.00	1 K	0.350	0.97
HSDR105-121KT	120.00	1 K	0.400	0.89
HSDR105-151KT	150.00	1 K	0.470	0.78
HSDR105-181KT	180.00	1 K	0.630	0.72
HSDR105-221KT	220.00	1 K	0.730	0.66
HSDR105-271KT	270.00	1 K	0.970	0.57
HSDR105-331KT	330.00	1 K	1.150	0.52
HSDR105-391KT	390.00	1 K	1.300	0.48
HSDR105-471KT	470.00	1 K	1.480	0.42

SMD POWER Inductor/Open Wound

**RoHS
COMPLIANT**

HSDR105-561KT	560.00	1 K	1.900	0.33
HSDR105-681KT	680.00	1 K	2.250	0.28
HSDR105-821KT	820.00	1 K	2.550	0.24
HSDR105-102KT	1000.00	1 K	3.000	0.20