

SH-IRD 04 SERIES THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES



TECHNICAL INFORMATION:

- Inductance Testing: HP4284A, HP4285A or equivalent
- RDC: QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value drop 10% 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: ΔL/L ≤ ±10% ΔQ/Q ≤ ±25%

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost
- Packaging: Tape & Reel is Standard
- Bulk packaging available for smaller quantities
- Tolerance: 10% is standard, tighter tolerances available.
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

Note: All specifications subject to change without notice.



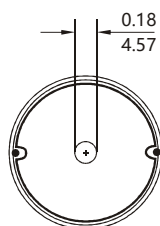
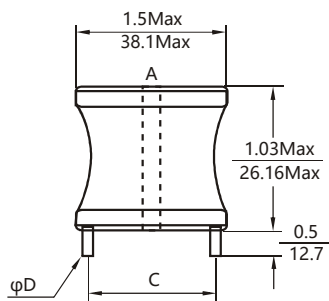
Additional information:

We reserve the right to make technical changes or modify the contents of this document without prior notice.

SHARE Ltd. Does not accept any responsibility what so ever for potential errors or possible lack of information in this document.

We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them. New approvals may be required.

STANDARD SPECIFICATIONS:



DIMENSIONS: $\frac{\text{inch}}{\text{mm}}$



Part Number	L (μH) @1KHz	DCR (ΩMax)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
SH-IRD04-1R8M	1.8	0.002	27	1.11/28.19	0.081/2.05
SH-IRD04-2R2M	2.2	0.002	27	1.11/28.19	0.081/2.05
SH-IRD04-2R7M	2.7	0.003	27	1.11/28.19	0.081/2.05
SH-IRD04-3R3M	3.3	0.003	27	1.11/28.19	0.081/2.05
SH-IRD04-3R9M	3.9	0.003	27	1.11/28.19	0.081/2.05
SH-IRD04-4R7M	4.7	0.003	27	1.11/28.19	0.081/2.05
SH-IRD04-5R6M	5.6	0.004	27	1.11/28.19	0.081/2.05
SH-IRD04-6R8M	6.8	0.004	27	1.15/29.21	0.081/2.05
SH-IRD04-8R2M	8.2	0.004	27	1.15/29.21	0.081/2.05
SH-IRD04-100K	10	0.005	27	1.15/29.21	0.081/2.05
SH-IRD04-120K	12	0.005	27	1.15/29.21	0.081/2.05
SH-IRD04-150K	15	0.006	27	1.15/29.21	0.081/2.05
SH-IRD04-180K	18	0.008	27	1.15/29.21	0.081/2.05
SH-IRD04-220K	22	0.009	21	1.15/29.21	0.081/2.05
SH-IRD04-270K	27	0.010	21	1.15/29.21	0.081/2.05
SH-IRD04-330K	33	0.011	21	1.15/29.21	0.072/1.82
SH-IRD04-390K	39	0.012	21	1.15/29.21	0.072/1.82
SH-IRD04-470K	47	0.018	14.4	1.15/29.21	0.072/1.82
SH-IRD04-560K	56	0.019	14.4	1.15/29.21	0.064/1.62
SH-IRD04-680K	68	0.021	14.4	1.15/29.21	0.064/1.62
SH-IRD04-820K	82	0.023	14.4	1.15/29.21	0.064/1.62
SH-IRD04-101K	100	0.025	14.4	1.15/29.21	0.064/1.62
SH-IRD04-121K	120	0.028	14.4	1.15/29.21	0.057/1.44
SH-IRD04-151K	150	0.040	14.4	1.15/29.21	0.057/1.44
SH-IRD04-181K	180	0.045	14.4	1.15/29.21	0.057/1.44
SH-IRD04-221K	220	0.050	14.4	1.15/29.21	0.051/1.37
SH-IRD04-271K	270	0.056	14.4	1.15/29.21	0.051/1.37
SH-IRD04-331K	330	0.074	14.4	1.15/29.21	0.051/1.37
SH-IRD04-391K	390	0.082	9.0	1.15/29.21	0.045/1.14
SH-IRD04-471K	470	0.114	7.2	1.15/29.21	0.045/1.14
SH-IRD04-561K	560	0.125	7.2	1.15/29.21	0.040/1.01
SH-IRD04-681K	680	0.139	7.2	1.15/29.21	0.040/1.01
SH-IRD04-821K	820	0.154	7.2	1.15/29.21	0.040/1.01
SH-IRD04-102K	1000	0.216	5.5	1.15/29.21	0.040/1.01
SH-IRD04-122K	1200	0.232	5.5	1.14/28.95	0.036/0.91
SH-IRD04-152K	1500	0.324	4.5	1.14/28.95	0.036/0.91
SH-IRD04-182K	1800	0.360	4.5	1.14/28.95	0.036/0.91
SH-IRD04-222K	2200	0.494	4.0	1.10/27.94	0.032/0.81
SH-IRD04-272K	2700	0.555	4.0	1.12/28.44	0.032/0.81
SH-IRD04-332K	3300	0.773	2.8	1.10/27.94	0.029/0.73
SH-IRD04-392K	3900	0.845	2.8	1.10/27.94	0.029/0.73
SH-IRD04-472K	4700	1.14	2.0	1.12/28.44	0.029/0.73
SH-IRD04-562K	5600	1.60	2.0	1.09/27.68	0.025/0.64
SH-IRD04-682K	6800	1.76	1.6	1.12/28.44	0.025/0.64
SH-IRD04-822K	8200	1.95	1.6	1.09/27.68	0.023/0.58
SH-IRD04-103K	10000	2.76	1.3	1.11/28.19	0.023/0.58
SH-IRD04-123K	12000	3.04	1.3	1.08/27.43	0.020/0.51
SH-IRD04-153K	15000	3.39	1.3	1.10/27.94	0.020/0.51

Note: 1. K=±10%, M=±20%, N=±30%