

# Unshielded Radial Power Inductor

AIUR-16 Series



RoHS/RoHS II compliant



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‡ )HUULWH FRUH ZLWK KHDW VKULQ 6 ZLWFKLQJ 3RZHU QXPSORUHV +RXVHKROG  
 ‡ +LJK 5HOLDELWL\ ‡ 1RLVH )LOWHULQ% X]]HUV DQG \$ODUP 6\VV  
 ‡ '& WR '& &RQYHUWHU\YLVLRQ DQG \$XGLR

PARAMETERS	
Goldstone P/N:	AIUR-16 Series
Operating temperature	-25°C to + 85°C
Storage temperature	-25°C to + 85°C

Part Number AIUR-16- Inductance Code	Inductance	Tolerance	DCR (Max)	Saturation Current (Max)	Temperature Rise Current (Max)	Marking
Units	H	%		A	A	
Symbol	L		DCR	I <sub>sat</sub>	I <sub>rms</sub>	
AIUR-16-3R9	3.9	K	0.020	2.00	1.300	3R9K
AIUR-16-4R	4.	K	0.022	2.500	1.300	4R K
AIUR-16-5R6	5.6	K	0.02	2.300	1.300	5R6K
AIUR-16-6R8	6.8	K	0.029	2.100	1.300	6R8K
AIUR-16-8R2	8.2	K	0.036	1.900	1.300	8R2K
AIUR-16-100	10	K	0.041	1.00	1.300	100K
AIUR-16-120	12	K	0.046	1.550	1.300	120K
AIUR-16-150	15	K	0.050	1.400	1.300	150K
AIUR-16-180	18	K	0.062	1.300	1.000	180K
AIUR-16-220	22	K	0.01	1.200	1.000	220K
AIUR-16- 0	2	K	0.03	1.100	1.000	K
AIUR-16-330	33	K	0.090	0.920	0.800	330K
AIUR-16-390	39	K	0.102	0.840	0.800	390K
AIUR-16- 0	4	K	0.120	0.60	0.800	K
AIUR-16-560	56	K	0.162	0.00	0.620	560K
AIUR-16-680	68	K	0.186	0.660	0.620	680K
AIUR-16-820	82	K	0.240	0.580	0.490	820K
AIUR-16-101	100	K	0.20	0.530	0.490	101K
AIUR-16-121	120	K	0.310	0.460	0.490	121K
AIUR-16-151	150	K	0.32	0.440	0.490	151K
AIUR-16-181	180	K	0.456	0.390	0.385	181K
AIUR-16-221	220	K	0.535	0.350	0.385	221K
AIUR-16- 1	0	K	0.625	0.320	0.385	K
AIUR-16-331	330	K	0.816	0.300	0.300	331K
AIUR-16-391	390	K	1.000	0.280	0.250	391K
AIUR-16- 1	0	K	1.200	0.240	0.250	K
AIUR-16-561	560	K	1.300	0.225	0.250	561K
AIUR-16-681	680	K	1.800	0.210	0.190	681K
AIUR-16-821	820	K	2.100	0.190	0.190	821K
AIUR-16-102	1000	K	3.000	0.165	0.150	102K
AIUR-16-122	1200	K	3.300	0.155	0.150	122K
AIUR-16-152	1500	K	3.500	0.135	0.150	152K
AIUR-16-182	1800	K	5.00	0.125	0.120	182K
AIUR-16-222	2200	K	6.200	0.115	0.095	222K
AIUR-16- 2	0	K	.600	0.105	0.095	K
AIUR-16-332	3300	K	8.500	0.096	0.095	332K
AIUR-16-392	3900	K	10.30	0.084	0.06	392K
AIUR-16- 2	0	K	11.30	0.06	0.06	K
AIUR-16-562	5600	K	13.00	0.00	0.06	562K
AIUR-16-682	6800	K	1.00	0.064	0.060	682K

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Units	H	%		A	A	
Symbol	L		DCR	I <sub>sat</sub>	I <sub>rms</sub>	
AIUR-16-822	8200	K	20.00	0.05	0.060	822K
AIUR-16-103	10000	K	2.00	0.053	0.046	103K
AIUR-16-123	12000	K	31.00	0.04	0.046	123K
AIUR-16-153	15000	K	45.00	0.043	0.036	153K
AIUR-16-183	18000	K	51.00	0.038	0.036	183K
AIUR-16-223	22000	K	60.00	0.035	0.030	223K
AIUR-16-3	2000	K	66.00	0.033	0.030	3K
AIUR-16-333	33000	K	100.0	0.029	0.030	333K

Test Conditions and equipments

Test frequency: 100kHz, 0.1Vrms

DCR: QuadTech Milliohmmeter

I<sub>sat</sub>: 5% typical inductance drops from initial value

I<sub>rms</sub>: ΔT of 30°C max.

AIUR-16- [ ] [ ]

Packaging 200pcs/box

