ORITAC

2022

PIN Type Power Inductor > Shielded > RCR875D

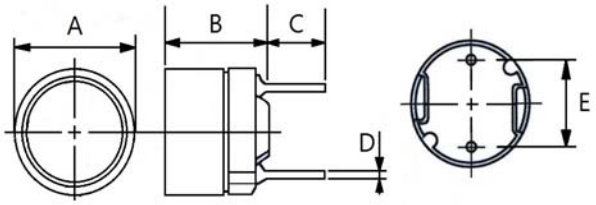
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCR875D	7.8 ± 0.5	7.5 max.	5.0 ± 1.0	0.6 ± 0.05	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR875D-1R2L	1.2 ± 15%	25.2 MHz	0.018	4.14
RCR875D-1R7L	1.7 ± 15%	25.2 MHz	0.022	3.75
RCR875D-2R3L	2.3 ± 15%	25.2 MHz	0.025	3.45
RCR875D-3R0L	3.0 ± 15%	25.2 MHz	0.028	3.25
RCR875D-3R9L	3.9 ± 15%	25.2 MHz	0.031	3.08
RCR875D-4R7L	4.7 ± 15%	25.2 MHz	0.035	2.94
RCR875D-5R6L	5.6 ± 15%	25.2 MHz	0.039	2.82
RCR875D-7R0L	6.8 ± 15%	25.2 MHz	0.043	2.68
RCR875D-8R2L	8.2 ± 15%	25.2 MHz	0.047	2.55
RCR875D-100L	10 ± 15%	25.2 MHz	0.050	2.40
RCR875D-120L	12 ± 15%	25.2 MHz	0.054	2.25
RCR875D-150L	15 ± 15%	25.2 MHz	0.062	1.95
RCR875D-180L	18 ± 15%	25.2 MHz	0.071	1.78
RCR875D-220L	22 ± 15%	25.2 MHz	0.080	1.60
RCR875D-270L	27 ± 15%	25.2 MHz	0.100	1.40
RCR875D-330L	33 ± 15%	25.2 MHz	0.140	1.30
RCR875D-390L	39 ± 15%	25.2 MHz	0.150	1.20
RCR875D-470L	47 ± 15%	25.2 MHz	0.170	1.10
RCR875D-560L	56 ± 15%	25.2 MHz	0.190	0.99
RCR875D-680L	68 ± 15%	25.2 MHz	0.210	0.89
RCR875D-820L	82 ± 15%	25.2 MHz	0.270	0.81

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR875D-101L	100 ± 15%	1 KHz	0.320	0.74
RCR875D-121L	120 ± 15%	1 KHz	0.360	0.67
RCR875D-151L	150 ± 15%	1 KHz	0.510	0.60
RCR875D-181L	180 ± 15%	1 KHz	0.570	0.55
RCR875D-221L	220 ± 15%	1 KHz	0.760	0.50
RCR875D-271L	270 ± 15%	1 KHz	0.860	0.45
RCR875D-331L	330 ± 15%	1 KHz	0.970	0.41
RCR875D-391L	390 ± 15%	1 KHz	1.280	0.37
RCR875D-471L	470 ± 15%	1 KHz	1.440	0.34
RCR875D-561L	560 ± 15%	1 KHz	1.610	0.31
RCR875D-681L	680 ± 15%	1 KHz	2.070	0.28
RCR875D-821L	820 ± 15%	1 KHz	2.330	0.26
RCR875D-102L	1,000 ± 15%	1 KHz	2.720	0.23
RCR875D-122L	1,200 ± 15%	1 KHz	3.980	0.21
RCR875D-152L	1,500 ± 15%	1 KHz	4.500	0.19
RCR875D-182L	1,800 ± 15%	1 KHz	6.810	0.17
RCR875D-222L	2,200 ± 15%	1 KHz	7.560	0.16
RCR875D-272L	2,700 ± 15%	1 KHz	8.540	0.14
RCR875D-332L	3,300 ± 15%	1 KHz	9.740	0.13
RCR875D-392L	3,900 ± 15%	1 KHz	12.900	0.12
RCR875D-472L	4,700 ± 15%	1 KHz	14.700	0.11
RCR875D-562L	5,600 ± 15%	1 KHz	20.400	0.10
RCR875D-682L	6,800 ± 15%	1 KHz	23.000	0.09
RCR875D-822L	8,200 ± 15%	1 KHz	30.600	0.08

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)