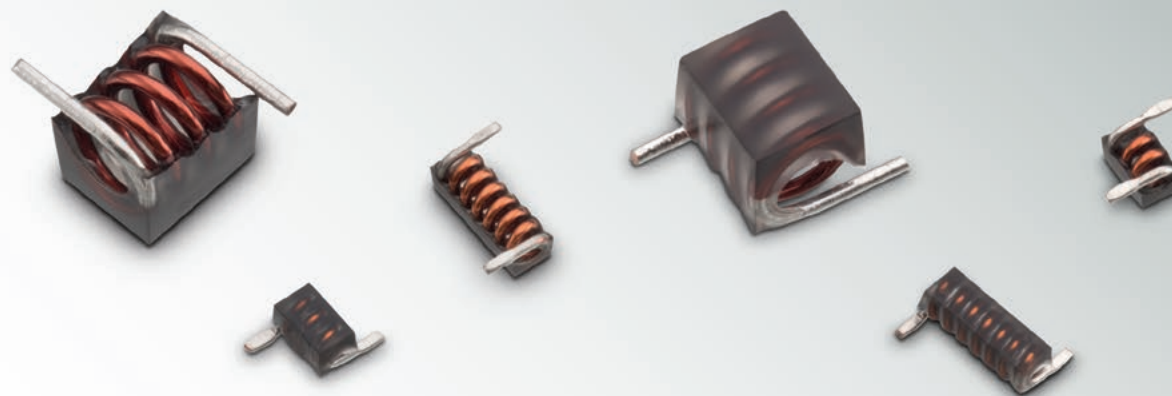




DESIGN KIT

WE-CAIR – SMD Air Coil Inductor



SIZE:

1322 / 1340 / 3136 / 3168 / 4248

TECHNICAL DATA:

L: 1.65 – 120 nH

Q_{min} : 100 – 140

SRF_{min}: 1.1 – 12.5 GHz

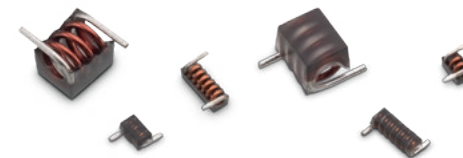
R_{dc} : 1.1 – 17.3 mΩ

Order Code 744 91

Version 2.0

DESIGN KIT

WE-CAIR – SMD Air Coil Inductor



1322				1340			
744 910 016	744 910 025	744 910 038	744 910 054	744 911 056	744 911 071	744 911 088	
L: 1.65 nH	L: 2.55 nH	L: 3.85 nH	L: 5.45 nH	L: 5.6 nH	L: 7.15 nH	L: 8.8 nH	
Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	
SRF _{min} : 10 GHz	SRF _{min} : 8.2 GHz	SRF _{min} : 7.5 GHz	SRF _{min} : 7 GHz	SRF _{min} : 6.5 GHz	SRF _{min} : 6 GHz	SRF _{min} : 6 GHz	
R _{DC} : 4 mΩ	R _{DC} : 5 mΩ	R _{DC} : 6 mΩ	R _{DC} : 8 mΩ	R _{DC} : 9 mΩ	R _{DC} : 10 mΩ	R _{DC} : 12 mΩ	
1340		3136					
744 911 098	744 911 112	744 913 025	744 913 050	744 913 080	744 913 112	744 913 118	
L: 9.85 nH	L: 12.55 nH	L: 2.5 nH	L: 5 nH	L: 8 nH	L: 12.5 nH	L: 18.5 nH	
Q _{min} : 100	Q _{min} : 100	Q _{min} : 140	Q _{min} : 140	Q _{min} : 140	Q _{min} : 137	Q _{min} : 132	
SRF _{min} : 5.2 GHz	SRF _{min} : 4.6 GHz	SRF _{min} : 12.5 GHz	SRF _{min} : 6.5 GHz	SRF _{min} : 5 GHz	SRF _{min} : 3.3 GHz	SRF _{min} : 2.5 GHz	
R _{DC} : 13 mΩ	R _{DC} : 14 mΩ	R _{DC} : 1.1 mΩ	R _{DC} : 1.8 mΩ	R _{DC} : 2.6 mΩ	R _{DC} : 3.4 mΩ	R _{DC} : 3.9 mΩ	
3168				4248			
744 914 117	744 914 122	744 914 128	744 914 135	744 914 143	744 912 122	744 912 127	
L: 17.5 nH	L: 22 nH	L: 28 nH	L: 35.5 nH	L: 43 nH	L: 22 nH	L: 27 nH	
Q _{min} : 100	Q _{min} : 102	Q _{min} : 105	Q _{min} : 112	Q _{min} : 106	Q _{min} : 100	Q _{min} : 100	
SRF _{min} : 2.2 GHz	SRF _{min} : 2.1 GHz	SRF _{min} : 1.8 GHz	SRF _{min} : 1.5 GHz	SRF _{min} : 1.2 GHz	SRF _{min} : 3.2 GHz	SRF _{min} : 2.7 GHz	
R _{DC} : 4.5 mΩ	R _{DC} : 5.2 mΩ	R _{DC} : 6 mΩ	R _{DC} : 6.8 mΩ	R _{DC} : 7.9 mΩ	R _{DC} : 4.2 mΩ	R _{DC} : 4 mΩ	
4248							
744 912 133	744 912 139	744 912 147	744 912 156	744 912 168	744 912 182	744 912 210	
L: 33 nH	L: 39 nH	L: 47 nH	L: 56 nH	L: 56 nH	L: 82 nH	L: 100 nH	
Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	Q _{min} : 100	
SRF _{min} : 2.5 GHz	SRF _{min} : 2.1 GHz	SRF _{min} : 2.1 GHz	SRF _{min} : 1.5 GHz	SRF _{min} : 1.5 GHz	SRF _{min} : 1.3 GHz	SRF _{min} : 1.2 GHz	
R _{DC} : 4.8 mΩ	R _{DC} : 4.4 mΩ	R _{DC} : 5.6 mΩ	R _{DC} : 6.2 mΩ	R _{DC} : 8.2 mΩ	R _{DC} : 9.4 mΩ	R _{DC} : 12.3 mΩ	
4248							
744 912 212							
L: 120 nH							
Q _{min} : 100							
SRF _{min} : 1.1 GHz							
R _{DC} : 17.3 mΩ							

EMC COMPONENTS | **INDUCTORS** | TRANSFORMERS | **RF COMPONENTS** | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | LEDs | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | REDCUBE TERMINALS | CAPACITORS

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release. Please check datasheets on www.we-online.com for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2016

All products
ex stock!