Coilcraft VER2923 alternatives

BEC-SQH2923T series

Shielded High Current Power Inductors

Coilcraft PN	>	Drop-In alternative	Inductance (µH)	DC resistance (mΩ)		SRF TYP	DC saturation current	Heat rating current
				Max	Type	(MHz)	I sat (A) Max	I rms (A) Max
VER2923-332KL	>	BEC-SQH2923T - 332MB	3.3 ± 20%	2.86	2.3	40	93.6	28
VER2923-472KL	>	BEC-SQH2923T - 472MB	4.7 ± 20%	2.86	2.3	30	62.4	28
VER2923-682KL	>	BEC-SQH2923T - 682MB	6.8 ± 20%	2.86	2.3	25	45.9	28
VER2923-103KL	>	BEC-SQH2923T - 103KB	10 ± 10%	2.86	2.3	20	32.1	28
VER2923-153KL	>	BEC-SQH2923T - 153KB	15 ± 10%	2.86	2.3	16	21.9	28
VER2923-223KL	>	BEC-SQH2923T - 223KB	22 ± 10%	2.86	2.3	13	15	28
VER2923-333KL	>	BEC-SQH2923T - 333KTB	33 ± 10%	2.86	2.3	10	9.6	28

Features :

- Compact size using flat wire, and surface mounting type.
- Low radiation noise by magnetically shielded construction.
- Excellent solerability.
- High saturation current, Low DC resistance.
- Operating temperature: -40℃ ～ +125℃.
- Storage temperature: -40℃ ～ +80℃ (Tape and tray packaging).
- RoHS, REACH compliant, Haloger free available.

Applications :

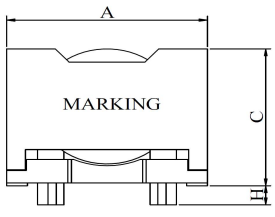
- Designed for high current powr supply applications.
- High efficiency DC/DC converters.
- Single and polyphase buck converters.
- Filter for audio applications.
- Optimized for high current boost applications.
- Laptops, Graphic cards, Motherboards, Industrial computers.

Electrical Characteristics

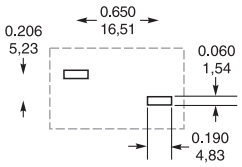
1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or
2. Isat current : DC current at which the inductance drops ≦ 30% from its value without
3. Heat rating current : DC current that causes the temperature rise(Δt=40℃) from 20℃
4. All test data is referenced to 20℃ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

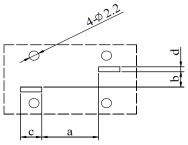
Dimensions:

	Coilcraft	BEC alternative
A	A = 26.92 ± 0.51	A = 27.4 max
C	C = 22.23 ± 0.51	C = 22.7 max
B	B = 16.46 ± 0.51	B = 17.0 max



Recommended Pad Layout





sales@bec.co.uk