

Shielded Power Inductors

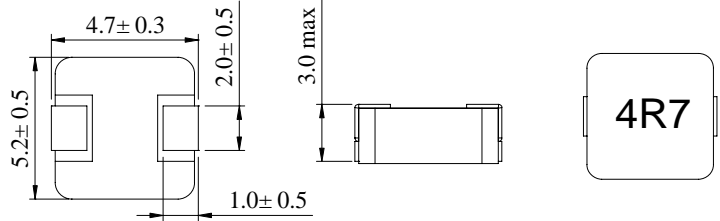
XWP-HFW0503M Type



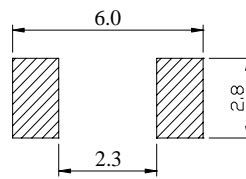
NEW

SHAPES&DIMENSION

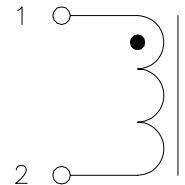
Unit:mm



PCB LAYOUT



CONNECTIONS



Feature & Application

- Shielded Construction.
- Frequency Range up to 5 MHz
- Inductance rang :0.1uH to 10uH.
- Lead free and ROHS compliant.
- Low Buzz Noise, due to compeste constrction.
- PDA/Notebook/Desktop/Server Applications
- Low Profile, High Current Power Supplies
- Battery Powered Devices
- DC/DC Converters for Power System Distribution

STANDARD SPECIFICATION

XWP P/N	Inductance L(uH)±20%	DCR (mΩ)		Saturation Rated Current I sat (A) Typical	Temperature Rise Current I rms (A) Typical
		Typical	Max		
XWP-HFW00503M-R10M	0.10	3.0	3.5	25.0	15.0
XWP-HFW00503M-R22M	0.22	4.5	6	20.0	12.0
XWP-HFW00503M-R47M	0.47	6	8	13.0	9.0
XWP-HFW00503M-R68M	0.68	11	13	14.0	8.5
XWP-HFW00503M-1R0M	1.0	13	15	11.0	7.0
XWP-HFW00503M-1R5M	1.5	20	25	10.0	6.0
XWP-HFW00503M-2R2M	2.2	29	35	9.0	5.5
XWP-HFW00503M-3R3M	3.3	32	38	7.0	5.0
XWP-HFW00503M-4R7M	4.7	50	65	6.0	3.5
XWP-HFW00503M-6R8M	6.8	100	120	4.0	2.5
XWP-HFW00503M-100M	10	115	130	3.0	2.0

- Inductance test: 100kHz, 0.25V
- Saturation Rated Current: 30% lower than its initial value.
- Operating Temperature: -55°C ~ 120°C
- Tolerance of Inductance: ±20%
- Temperature Rise Current: ΔT=40°C