

Shielded Power Inductors

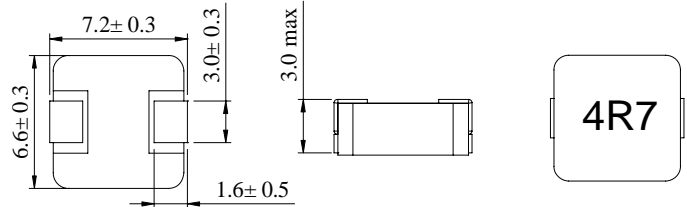
★ XWP-HFW0603M Type



NEW

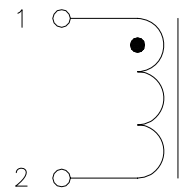
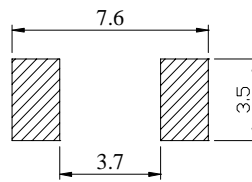
SHAPES&DIMENSION

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-HFW0603M-R10M	0.10	1.5	1.7	60	32.5
XWP-HFW0603M-R15M	0.15	1.9	2.5	52	26
XWP-HFW0603M-R20M	0.20	2.4	3.0	41	24
XWP-HFW0603M-R22M	0.22	2.5	2.8	40	23
XWP-HFW0603M-R33M	0.33	3.5	3.9	30	20
XWP-HFW0603M-R47M	0.47	4.0	4.2	26	17.5
XWP-HFW0603M-R68M	0.68	5.0	5.5	25	15.5
XWP-HFW0603M-R82M	0.82	6.7	8	24	13
XWP-HFW0603M-1R0M	1.0	9.0	10	22	11
XWP-HFW0603M-1R5M	1.5	14.0	15	18	9
XWP-HFW0603M-2R2M	2.2	18.0	20	14	8
XWP-HFW0603M-3R3M	3.3	28.0	30	13.5	6
XWP-HFW0603M-4R7M	4.7	37.0	40	10	5.5
XWP-HFW0603M-6R8M	6.8	54.0	60	8	4.5
XWP-HFW0603M-8R2M	8.2	64.0	68	7.5	4
XWP-HFW0603M-100M	10	102.0	105	7	3

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