

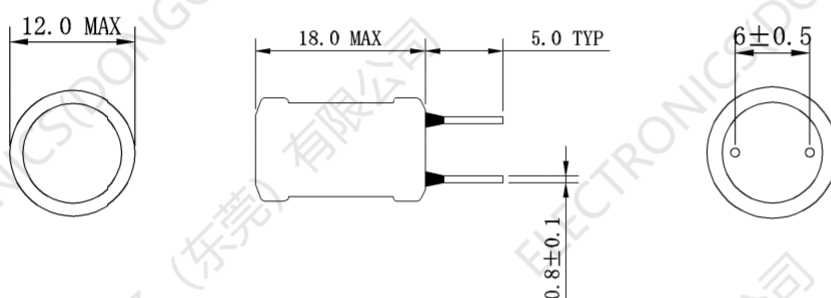
Radial Leaded Wire Wound inductor FC-DR2W1016-6R8M

Features:

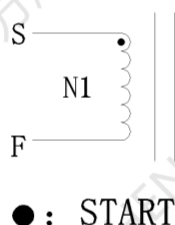
1. Radial through-hole inductor
2. High saturation core material
3. Small size
4. Rated Current: 10A
5. Signal filtering
6. Power supply filter
7. EMI filter
8. Switches, switching power supply for small and medium voltage
9. Operating temperature: -40°C to $+125^{\circ}\text{C}$



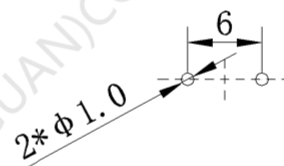
1. Dimensions:mm



2. Schematic:



3. RecommendeLand Pattern: mm



4. Electrical Properties

NO.	ITEMS	MEASURING POINT	TECHNICAL DATA	TEST CONDITION	INSTRUMENT
1	Inductors	(S-F)	$6.8\mu\text{H} \pm 20\%$	100KHz, 0.25V, 25°C	HP4284A
2	IR	COIL CORE	100Mohm MIN	DC500V	MF2511
3	DCR	(S-F)	15mΩ /MAX	25°C	CH502
4	Isat	(S-F)	$+13\text{A} \cong \text{LOA} * 70\%$ TYP	100KHz, 0.25V, 25°C	6240
5	Rated Current	(S-F)	10A	$\Delta T \leq 40^{\circ}\text{C}$ ($T_a = 25^{\circ}\text{C}$)	6240

Ambient temperature : -40°C to $+85^{\circ}\text{C}$

Operating temperature: -40°C to $+125^{\circ}\text{C}$