

## FILTER2D-C3-SK ANTI-INTERFERENCE FILTER



Patent Protection RoHS

### FEATURES

- Small Footprint
- Low Temperature Rise

### APPLICATIONS

FILTER2D-C3-SK applies to analog circuits which are noise-sensitive or EMC-sensitive occasions. If added a FILTER2D-C3-SK to the module's input, the module's output noise can be reduced substantially and EMC level can be improved.

### SELECTION GUIDE

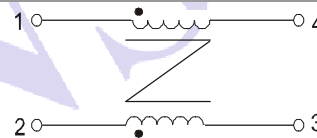
Model	Inductance value (mH)	Rated current (A)(max)	DCR(mΩ)	Weight (g)
FILTER2D-C3-SK	5.3*2	3	180	15

### COMMON SPECIFICATIONS

Item	Operating Conditions	Min.	Typ.	Max.	Unit
Inductance Error Range	$f_0=10\text{KHz}$ , $U_0=0.1\text{V}$	-35	--	+35	%
Pressure Resistance Value	Leakage Current $I_0=5\text{mA}$	--	--	2000	VDC
Storage Humidity		--	--	95	%
Operating Temperature		-40	--	105	°C
Storage Temperature		-55	--	125	
Soldering Temperature Resistance Of PIN	Solder Joints From Case 1.5mm for 10 seconds	--	--	300	
Dimension (L*W*H)		27.5*19.5*33.0			mm

Note: All specifications measured at  $T_A=25^\circ\text{C}$ , humidity<75% unless otherwise specified.

### INTERNAL SCHEMATIC



### MORNSUN Science & Technology Co.,Ltd.

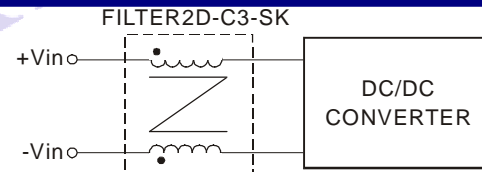
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### APPLICATION CIRCUIT



### IMPEDANCE CHARACTERISTICS (REFERENCE VALUE)

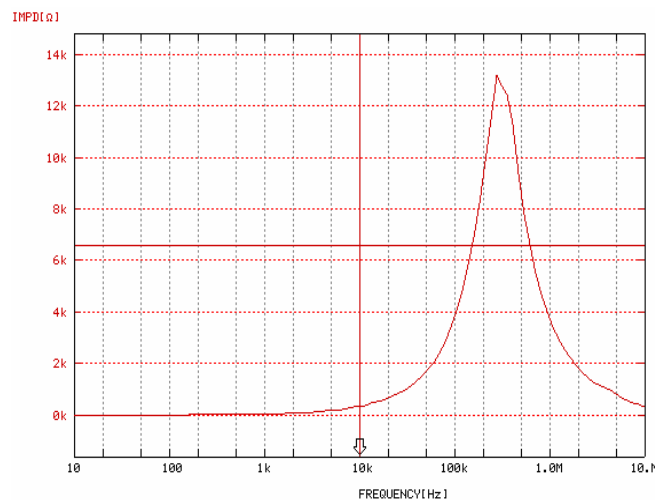
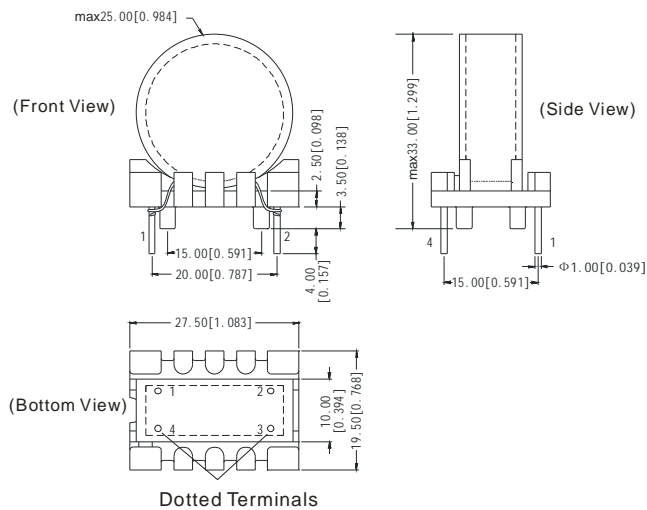


Figure 1 Impedance VS Frequency

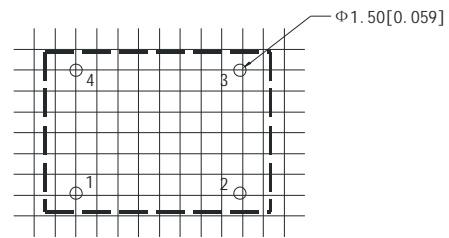
## OUTLINE DIMENSIONS

### MECHANICAL DIMENSIONS



Note:  
Unit:mm[inch]  
Pin diameter tolerances:  $\pm 0.10\text{mm}$  [ $\pm 0.004\text{inch}$ ]  
General tolerances:  $\pm 0.25\text{mm}$  [ $\pm 0.010\text{inch}$ ]

### RECOMMENDED FOOTPRINT



Note: Grid 2.54\*2.54mm.