

EMI/EMC FILTER

SW2 SERIES



Features

- Excellent filtering characteristics for both differential mode and common mode
- Epoxy molded for reliability
- Bidirectional structure effective for both noise from outside and internally generated

Applications

- Digital equipments
- Measuring and testing instruments
- Communication equipment
- For equipment requiring very high impulse attenuation
- Suitable for FA equipments
- OA equipments like copy machine
- Air conditioning equipment

Specifications

MODEL	Rated Voltage (AC, DC)	Rated Current	Leakage Current (250V AC)	Operating Temperature																								
SW2*-*08-*	250V	8A	1.0mA max.	-25℃ to +85℃ Including temperature rise Derating Curve <table><caption>Derating Curve Data (Approximate)</caption><tr><th>Ambient Temp [℃]</th><th>Type 1 Ratio [%]</th><th>Type 2 Ratio [%]</th></tr><tr><td>0</td><td>100</td><td>100</td></tr><tr><td>40</td><td>100</td><td>100</td></tr><tr><td>50</td><td>90</td><td>100</td></tr><tr><td>60</td><td>75</td><td>90</td></tr><tr><td>70</td><td>60</td><td>75</td></tr><tr><td>80</td><td>30</td><td>40</td></tr><tr><td>85</td><td>0</td><td>0</td></tr></table>	Ambient Temp [℃]	Type 1 Ratio [%]	Type 2 Ratio [%]	0	100	100	40	100	100	50	90	100	60	75	90	70	60	75	80	30	40	85	0	0
Ambient Temp [℃]	Type 1 Ratio [%]	Type 2 Ratio [%]																										
0	100	100																										
40	100	100																										
50	90	100																										
60	75	90																										
70	60	75																										
80	30	40																										
85	0	0																										
SW2*-*15-*	250V	15A	0.75mA max.																									

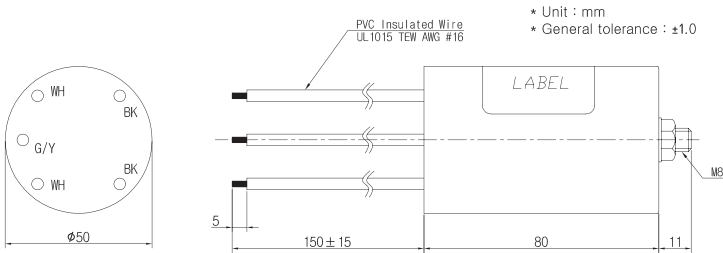
Note
Test Voltage : 1500V AC one minute, line to earth
Insulation Resistance : 300 Mohm min. at 500V DC
Voltage Drop : 1V max. at rated current
Weight : 180g
(*Type 2):Temperature rise when mounted on 200x200x(t) 1.0mm steel sheet

Model Number Construction

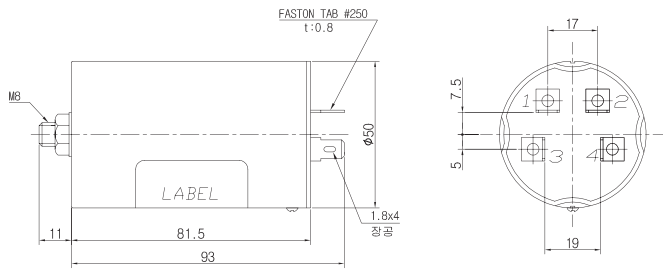
SW2	V	08	A
Series Description SW : Cylinder Type	Input/Output Terminal F : Faston Tab #250 V : PVC Wire With Ground Wire W : PVC Wire Without Ground Wire	Current Rating : AC rms 08 : 8amp 15 : 15amp	Line-Line Cap.Value A, C, 1 : 1.0 μF B : 3.3 μF Line-GND Cap.Value A, B, C : 6600 pF 1 : 6800 pF

Shapes and Dimensions

SW2-V08-*

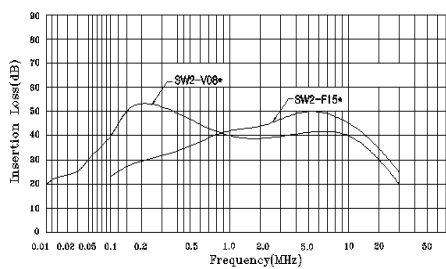


SW2-F15-*

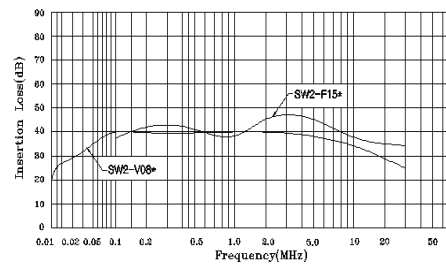


Attenuation Characteristics

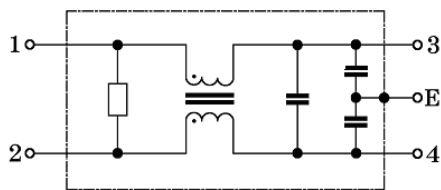
Common mode(SW2-*08/15-*)



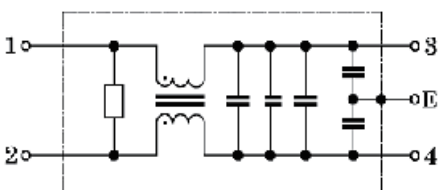
Differential mode(SW2-*08/15-*)



Circuit Diagram

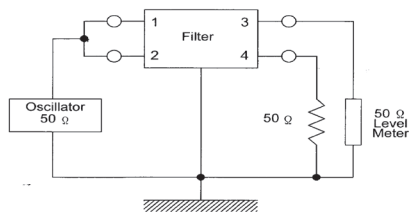


SW2-*08/15-*

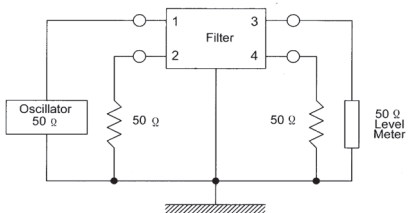


SW2-*08-A/C

Measurement Configuration



Common mode



Differential mode