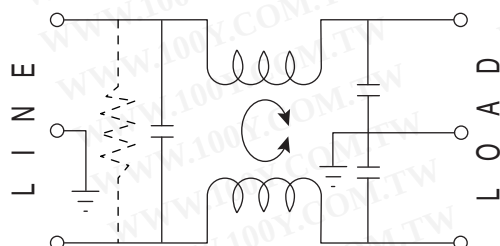


■ Introduction:

The AE and AF series RFI/EMI power line filters are designed for general purpose to reduce line-to-ground (common mode) interference. They are compact, with IEC power line connector, and can be easily mounted on the panel of instruments. These filters meet low leakage requirements while operating on AC lines of 115 to 250 volts 50/60Hz, and are available in current ratings of 1, 3, 6, 8, and 10 amps. Safety and construction are in compliance with UL, CSA, VDE, NEMKO, SEV, SETI, SEMKO, and DEMKO.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

■ Electrical Schematic

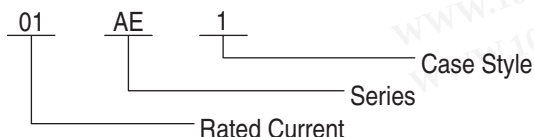
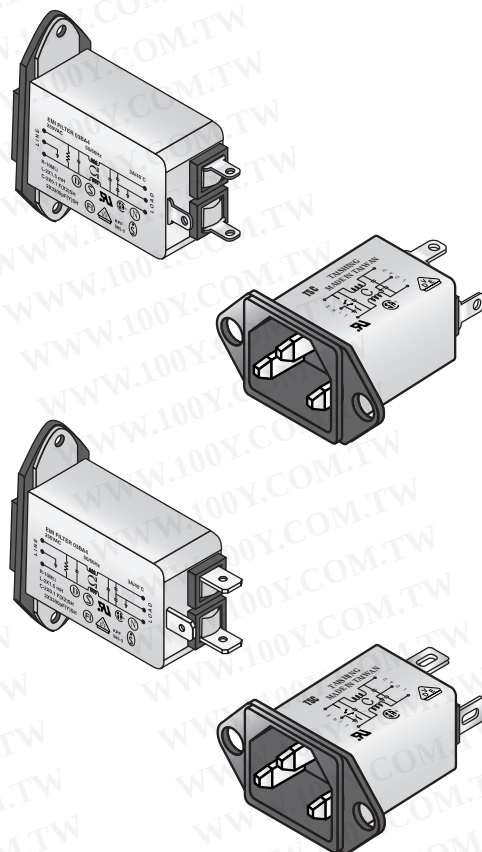
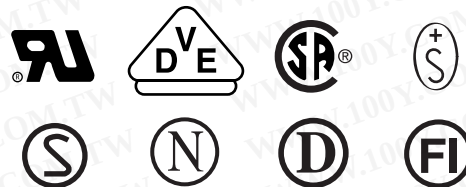


Bleeder resistor for part numbers with suffix "R".

■ Specifications:

- Rated Voltage: 115/250 VAC
- Power Line Frequency: 50/60 Hz
- Rated Current: 1, 2, 3, 6, 8 and 10 Amps.
- Maximum Leakage Current: Line-to-Ground
 - @ 115 VAC 60 Hz 0.5 mA
 - @ 250 VAC 50 Hz 1.0 mA
- Test Voltage: Line-to-Ground: 2250 VDC, one minute.
 Line-to-Line: 1450 VDC, one minute.

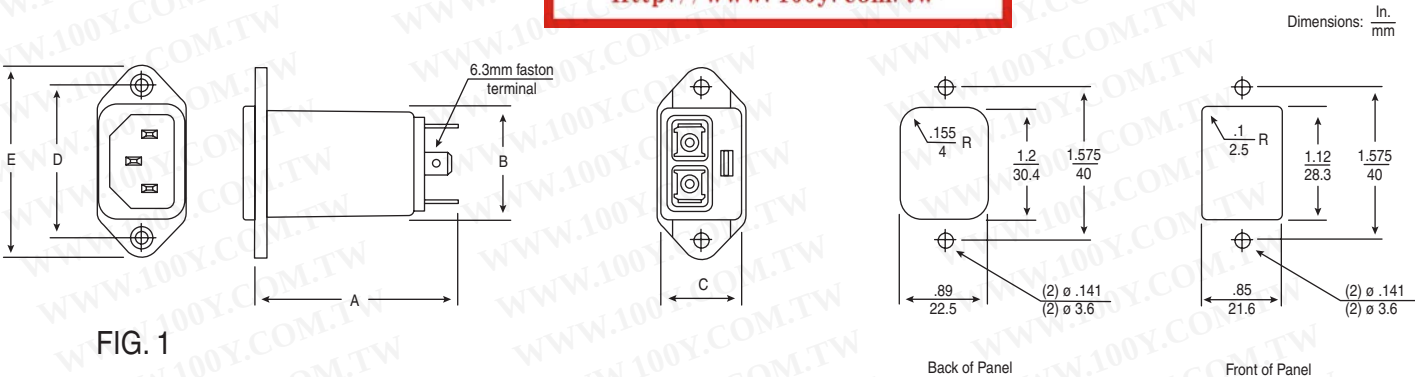
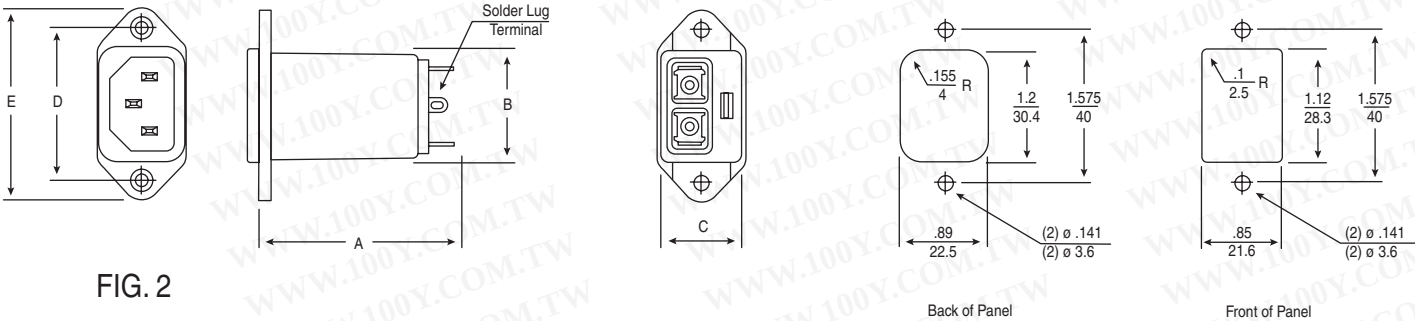
■ Part Numbering System:



Typical insertion loss (dB):
 Line-to-Ground in 50 ohm system.

Current Rating	Frequency (MHz)					
	0.15	0.5	1	5	10	30
1A	20	33	40	45	47	50
3A	15	25	30	45	50	53
6A	10	20	25	42	45	50
8A	9	18	23	40	43	48
10A	8	15	20	38	40	45

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Current Rating	Part No.	Fig.	Dimensions									
			A (max)		B (max)		C (max)		D*		E (max)	
1A	01AE1	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	01AE1H	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	01AF1	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	01AF1H	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
3A	03AE1	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	03AE1H	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	03AF1	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	03AF1H	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
6A	06AE1	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	06AE1H	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	06AF1	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	06AF1H	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
8A	08AE1	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	08AF1	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98
10A	10AE1	1	55.9	2.20	29.2	1.15	21	0.83	40	1.57	50.3	1.98
	10AF1	2	54.0	2.13	29.2	1.15	21	0.83	40	1.57	50.3	1.98

* Tolerance ± 0.38mm (± 0.015 inch)