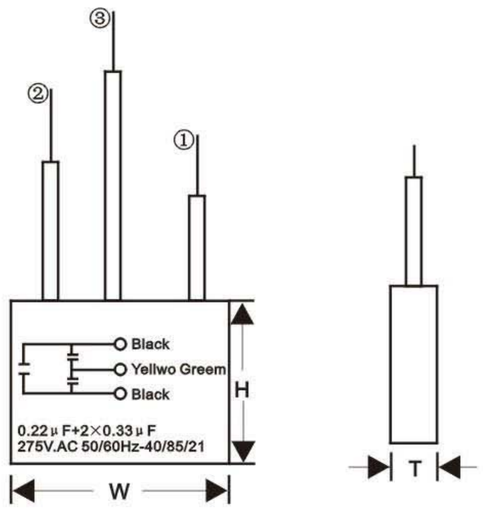
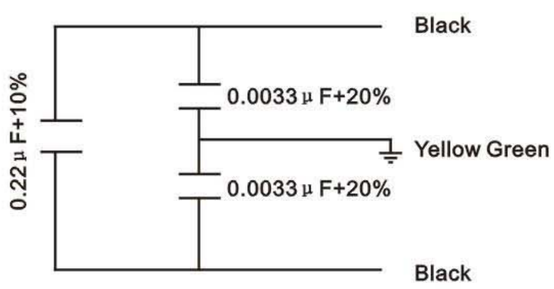
FILTER FOR MOTOR MACHINE XY

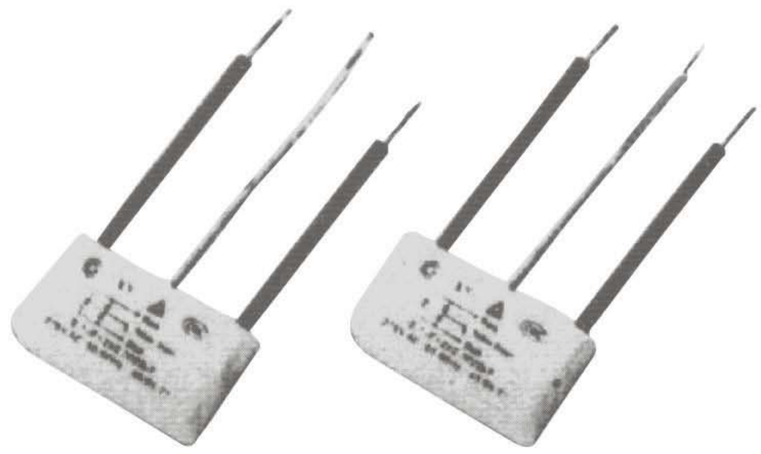
XYP 電動工具專用濾波器 Filter For Motor Machine XY

外型圖 OUTLINE DRAWING



等效電路圖 EQUIVALENT CIRCUIT





特點 FEATURE

- 很強的電流 good impulse current ability
- 軟線引出簡易的安裝方式 Plastic leading wire for easy using
- 很好的共模與差模干擾抑制能力 good rejecting common and differential mode Interference
- 低成本 Lower cost
- 很好的消除火花效果 Good clear up spark function

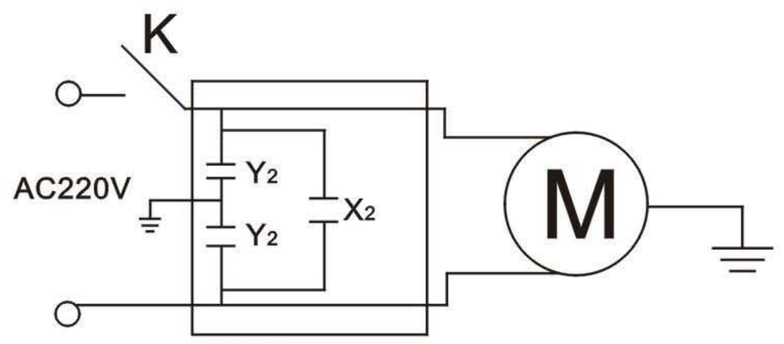
用途 APPLICATION

主要應用于電動工具。消除電動工具在工作時碳刷與轉子之間產生的干擾。
Use for rejecting the interference of dower tool when it running.

功能 FUNCTION

當電動工具在工作時，碳刷與轉子由于摩擦產生干擾，此干擾會使其他電器產生誤動作、影響電網的正常轉。X2消除差模與諧波干擾，Y2用于消除共模干擾。 /The interference will appear when the power tools working,which will disturb other home appliances and effect the electric network. The x_2 of filter can reject different mode and Y_2 for rejecting common mode.

典型應用電路 TYPICAL APPLICATION CIRCUIT



XY 濾波器/XY Filter

規格說明 SPECIFICATION

項目/Item		性能/Performance
封裝形式/Coating		採用阻燃塑料外殼,環氧樹酯封裝 Encapsulated in a plastic sealed with epoxy resin
阻燃等級/Grade of burning prelentadility		UL94V-0
引出方式/Fetching out ways		軟線引出/Plastic leading wire
引用標準/Reference standard		EN133200;1999;GB/15287-94;GB/T15288-94;GB 7343-87
電壓額定/Climatic Voltage		275V.AC 50/60Hz
氣候類別/Climatic Category		-40/85/21
絕緣電阻/Insulation resistance	(At 20℃ 100V.DC) ①+② ①+③; ②+③	≥6000MΩ C≤0.33μF f=10kHz >2000S C>0.33μF f=1kHz ≥15000MΩ C≤0.33μF f=10kHz >5000S C>0.33μF f=1kHz
耐久性/Endurance		正常工作下，耐電流衝擊300萬次 Impulse current three million in gear
外殼絕緣電阻/Insulation Resistance between case and pole		Rs> 15000MΩ (at 500V.DC)
損耗角/dissipation factor	①與②之間tgδ ≤0.0020 ①與③之間	Tgδ ≤0.0020 C≤0.33μF f=10kHz C>0.33μF f=1kHz
容量偏差(%)/Cap.tol(%)		X2電容±10% Y2電容±20%
放電電阻阻值偏差/Shunt Resistance.Tol		-20%<△R/R< +5% (at f=100Hz)

尺寸 DIMENSION

編號 Index	長 L(mm)	寬 W(mm)	高 H(mm)	X2容量 X2 Capacitance	Y2電容 Y2 Capacitance
1	26.5	6	15	0.1μF	0.001μF
2	26.5	7	16	0.1μF	0.0022μF
3	26.5	8	17	0.22μF	0.001μF
4	26.5	9	17	0.22μF	0.0022μF
5	26.5	10	19	0.33μF	0.0022μF
6	26.5	11	20	0.33μF	0.0033μF
7	32.0	13	22	0.33μF	0.0047μF
8	32.0	14	25	0.47μF	0.0022μF
9	32.0	18	26	0.47μF	0.0033μF
10	32.0	22	28	0.47μF	0.0047μF