

SF16G4B1~SF300L4B1 SF80U4B2~SF300U4B2

THYRISTOR STACK

SF300L4B1,SF300U4B2 Series

FOR SINGLE PHASE COMMUTATION CONTROL

SF300L4B1,SF300U4B2 series are thyristor stacks which four thyristors are connected bridge connection and when the single phase power supply, the load and the gate unit are connected to this stack, the single phase commutation control circuit are easily combined.

These stacks have a wide range capability.

Input voltage : 110V, 220V or 440V

(If you need the other input voltage, we change it up to 440V with your request.)

Output current: From 17A to 360A

(Ta=50°C) (depend on type)

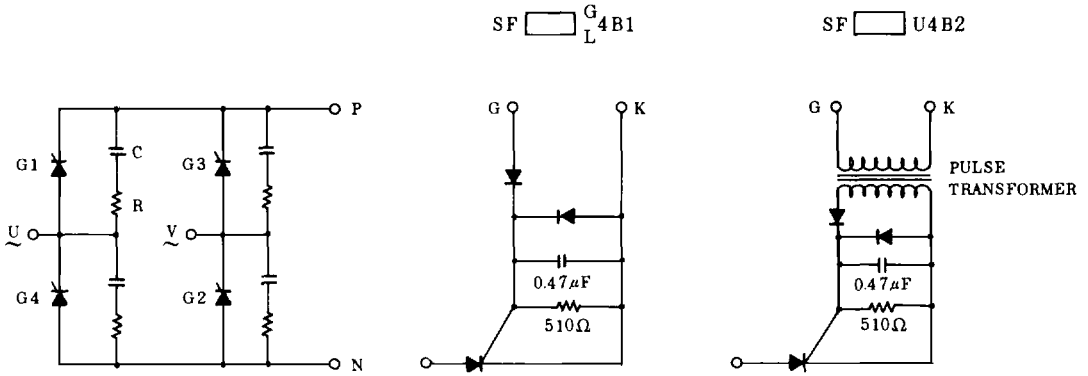
These stacks are used for the DC power supply of the inverter, the DC motor control and the other DC power control equipments.

MAXIMUM RATINGS

TYPE	LINE VOLTAGE VRMS (Vrms)	REPETITIVE PEAK OFF-STATE AND REVERSE VOLTAGE VDRM, VRRM (V)	OUTPUT CURRENT Ta=50°C IO (Adc)		PEAK SURGE ON CURRENT ITSM (A)	
			FREE AIR	AIR FORCE (5m/s)	1 CYCLE	10 CYCLE
SF16G4B1	110	400	17	29	200	110
SF16L4B1	220	800				
SF30G4B1	110	400	36	49	600	330
SF30L4B1	220	800				
SF50G4B1	110	400	50	90	1000	600
SF50L4B1	220	800				
SF80G4B1	110	400	70	134	1600	1250
SF80L4B1	220	800				
SF80U4B2	440	1600				
SF150G4B1	110	400	116	270	3500	2000
SF150L4B1	220	800				
SF150U4B2	440	1600				
SF300G4B1	110	400	160	360	6000	3500
SF300L4B1	220	800				
SF300U4B2	440	1600				

SF16G4B1~SF300L4B1 **SF80U4B2~SF300U4B2**

Note. CIRCUIT



* There are some kind of stacks like SF300U4B2 series.

SF300U4B3 series : Fuse attaching

SFR300L4BB1 series : Mixed bridge circuit

SFR300U4BB2 series : Mixed bridge circuit

SFR300U4BB3 series : Mixed bridge circuit and fuse attaching

SF16G4B1~SF300L4B1 **SF80U4B2~SF300U4B2**

OUTLINE

Unit in mm

TYPE	L(MAX)	L1	t	W(MAX)	W1	H(MAX)	H1	d	E
SF16 ^G _L 4B1	212	* 192	6	244	224	170	50	6.5 ϕ	4.5 ϕ
SF30 ^G _L 4B1	212	* 192	8	244	224	210	100	6.5	6.5
SF50 ^G _L 4B1	212	* 192	8	244	224	210	100	6.5	6.5
^G 1 SF80L4B1 _U 2	286	133	8	286	266	230	115	6.5	6.5
^G 1 SF150L4B1 _U 2	286	133	10	286	266	270	130	8.5	8.5
^G 1 SF300L4B1 _U 2	286	133	10	286	266	270	130	8.5	8.5

