

HEAQW Solid State Relay



Features

- MOSFET output
- Low, stable on state resistance
- Choice of contacts - 2 form A or 2 form B or combination of 1A + 1B
- Switch up to 400Vdc or ac
- Load current up to 130mA
- Compact 8-pin DIL package

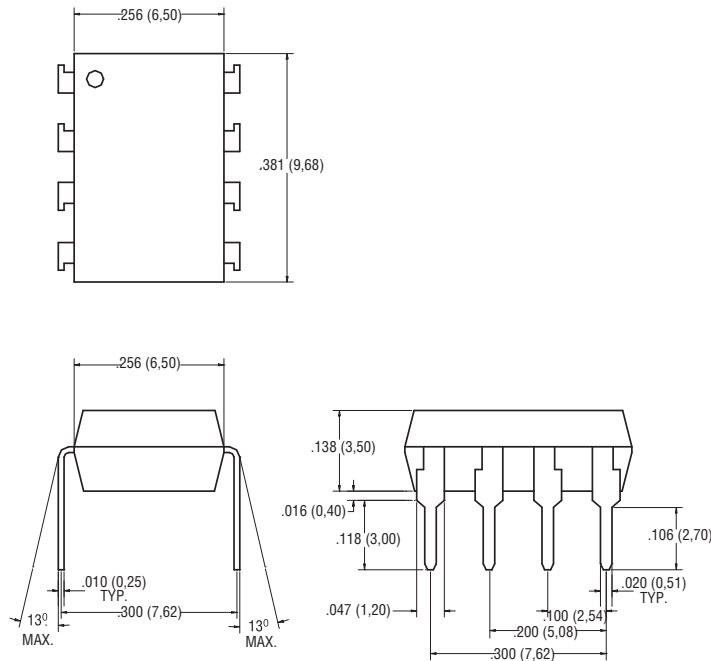
Benefits

- Outputs can be individually switched
- No contact bounce
- Not affected by external magnetic fields
- 3,750Vac input to output isolation
- Transfer moulded package gives maximum component protection
- Long life with no mechanical wear

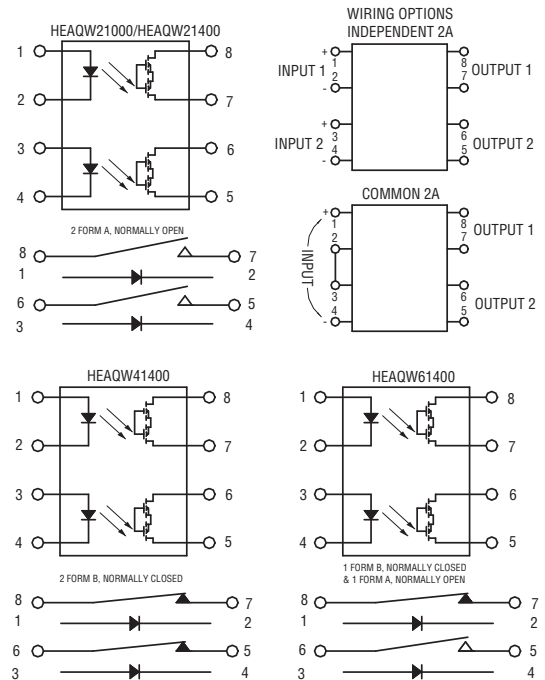
Applications

- Replacement of reed relays
- Telecoms
- Security systems
- Instrumentation
- Process control
- Industrial

DIMENSIONS (in) mm



SCHEMATIC (TOP VIEW)



SPECIFICATIONS

	Parameter	Symbol	Unit	HEAQW210	HEAQW214	HEAQW414	HEAQW614
Input Characteristics (LED) @ 25°C	Forward Voltage ($I_F = 10\text{mA}$)	V_F	Vdc - max		1.5		
	Operate Input Current	I_{FON}	mA - max		5.0		
	Release Input Current	I_{FOFF}	mA - min		0.2		
Output Characteristics @ 25°C	Load Voltage AC/DC	V_B	V - max	350	400	400	400
	Load Current (Note 1)	I_L	mA - max		130		
	On Resistance AC/DC	R_{ON}	Ohms - max	30	30	50	50
	Turn On Time ($I_F = 10\text{mA}$)	T_{ON}	ms - max	1.0	1.0	1.5	1.5
	Turn Off Time ($I_F = 10\text{mA}$)	T_{OFF}	ms - max	1.5	1.5	1.0	1.5
	Output Off-State Leakage	I_T	uA - max	1.0	1.0	2.0	2.0
Isolation	Input/Output Voltage Isolation	I_{TOFF}	V_{RMS} - min		3,750		
Temperature	Operating	T_{OPR}	°C		-30 to +85		
	Storage	T_{STG}	°C		-40 to +125		
	Soldering	T_{SOL}	°C - max		260		

Note 1: Max. load current is de-rated @ 1mA/°C from 25°C to max. temperature 85°C. E.g. at 55°C rating is 30mA less (100mA max).

ORDERING INFORMATION

Series HEAQW

HEAQW	-	21	00	0
HEAQW	-	21	40	0
HEAQW	-	41	40	0
HEAQW	-	61	40	0

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