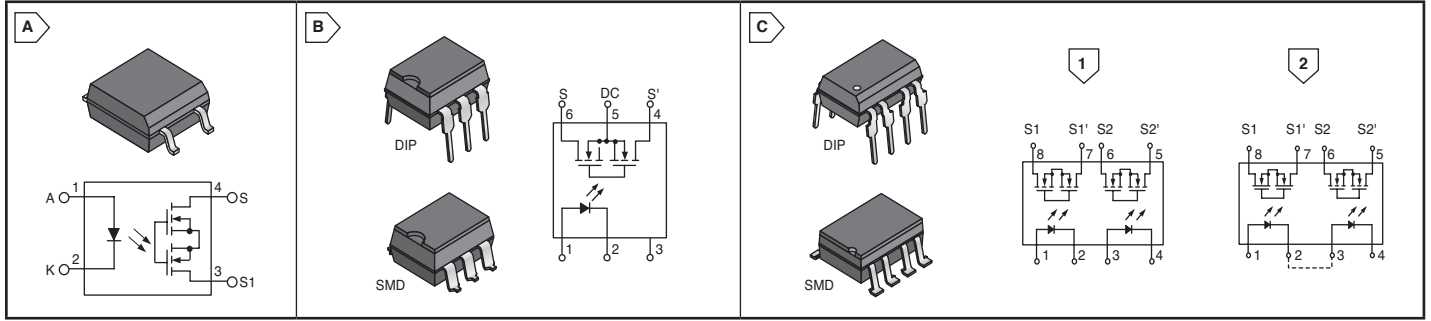


# VISHAY Solid State Relays



Vishay's Solid State Relays (SSRs), previously sold under the Infineon, Siemens, and AT&T brand names, deliver fast switching while optically isolating and protecting equipment from damaging external high-voltage spikes. By eliminating the majority of wire bonds found in other SSRs, Vishay's monolithic structure has set the performance standard. With no moving parts, our solid state relays are noiseless, bounce-free and reliable, commonly replacing electromechanical relays. Used in industrial, automotive, and communication applications, all of our solid state relays feature low power consumption, small packaging, and low turn-on current. Exceeding industry standards, they are approved by VDE, UL, CSA and other safety regulatory agencies.

**Applications:**

- General Telecom Switching On/off-hook
- Ring Relay/Dial Pulse
- Ground Start/Fault Protection
- Instrumentation
- Automatic Tuning/Balancing
- Flying Capacitor
- Analog MultiplexOn/off-hook

- Industrial Controls
- Triac Predrivers
- Output Modules

**Safety Standards:**

UL/BSI = UL Recognized (E52744) and BSI (7980)  
 UL/VDE = UL Recognized (E300068) and VDE (VDE0884)  
 UL/CSA = UL Recognized (E52744) and CSA Approved (093751)  
 UL/BSI/CSA = UL Recognized (E52744), BSI (7980) and CSA Approved (093751)



**1 FORM A**

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R <sub>ON</sub>			t <sub>on</sub> (ms) (Typ.)	t <sub>off</sub> (ms) (Typ.)	V <sub>L</sub> (V) (max.)	I <sub>L</sub> (mA) (max.)	P <sub>diss</sub> (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
						I <sub>F</sub> (mA)	I <sub>L</sub> (mA)											
◆	782—LH1546AEFTR	A	SOP-4	UL/BSI	28.00	5.0	50	2.0	0.08	350	120	550	3000	SPST NO	1.97	1.63	1.30	1.20
	782—VO1400AEFTR	A	SOP-4	UL/VDE	2.30	10.0	100	52.0	36.0	60	100	400	1500	SPST NO	1.08	.90	.74	.653
◆	782—LH1510AABTR	B	SMD-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO	3.14	2.60	2.07	1.89
◆	782—LH1510AAB	B	SMD-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO	2.90	2.43	2.01	1.76
◆	782—LH1510AT	B	DIP-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO	2.85	2.39	1.97	1.74
◆	782—LH1500AABTR	B	SMD-6	UL/BSI/CSA	20.00	5.0	50	0.3	0.60	350	150	---	5300	SPST NO	2.43	2.05	1.68	1.54
	782—LH1500AT	B	DIP-6	UL/BSI/CSA	20.00	5.0	50	0.3	0.60	350	150	---	5300	SPST NO	2.31	1.94	1.60	1.41
◆	782—LH1540AAB	B	SMD-6	UL/BSI/CSA	20.00	5.0	50	1.2	0.50	350	120	550	5300	SPST NO	2.19	1.84	1.52	1.33
	782—LH1540AT	B	DIP-6	UL/BSI/CSA	20.00	5.0	50	1.2	0.50	350	120	550	5300	SPST NO	2.19	1.84	1.52	1.34
◆	782—LH1546AABTR	B	SMD-6	UL/BSI/CSA	28.00	5.0	50	1.14	0.71	350	120	550	5300	SPST NO	2.02	1.70	1.40	1.17
◆	782—LH1525AABTR	B	SMD-6	UL/BSI/CSA	26.00	1.5	50	1.25	0.60	400	125	550	5300	SPST NO	3.11	2.62	2.16	1.90

**DUAL FORM A**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R <sub>ON</sub>			t <sub>on</sub> (ms) (Typ.)	t <sub>off</sub> (ms) (Typ.)	V <sub>L</sub> (V) (max.)	I <sub>L</sub> (mA) (max.)	P <sub>diss</sub> (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
						I <sub>F</sub> (mA)	I <sub>L</sub> (mA)											
◆	782—LH1522AAC	C1	SMD-8	UL/BSI/CSA	10.00	5.0	50	1.0	0.70	200	200	600	5300	SPST NO	5.10	4.15	3.83	2.98
	782—LH1522AB	C1	DIP-8	UL/BSI/CSA	10.00	5.0	50	1.0	0.70	200	200	600	5300	SPST NO	5.10	4.29	3.54	3.11
◆	782—LH1520AAC	C1	SMD-8	UL/BSI/CSA	20.00	5.0	50	1.4	0.70	350	150	600	5300	SPST NO	5.10	4.29	3.54	3.11

**1 FORM B**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R <sub>ON</sub>			t <sub>on</sub> (ms) (Typ.)	t <sub>off</sub> (ms) (Typ.)	V <sub>L</sub> (V) (max.)	I <sub>L</sub> (mA) (max.)	P <sub>diss</sub> (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
						I <sub>F</sub> (mA)	I <sub>L</sub> (mA)											
	782—LH1501BT	B	DIP-6	UL/CSA	20.00	0.0	50	2.0	1.0	350	150	550	3750	SPST NC	3.17	2.66	2.19	1.93

**DUAL FORM A, B/C**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R <sub>ON</sub>			t <sub>on</sub> (ms) (Typ.)	t <sub>off</sub> (ms) (Typ.)	V <sub>L</sub> (V) (max.)	I <sub>L</sub> (mA) (max.)	P <sub>diss</sub> (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
						I <sub>F</sub> (mA)	I <sub>L</sub> (mA)											
◆	782—LH1502BAC	C2	SMD-8	UL/CSA	20.00	5/0	50/50	3.2/3.8	1.6/0.8	350	150	600	3750	NO or NC	5.14	4.32	3.56	3.14
	782—LH1512BB	C2	DIP-8	UL/CSA	10.00	5/0	50/50	1.4/1.2	0.7/2.0	200	200	600	3750	NO or NC	5.50	4.62	3.82	3.21