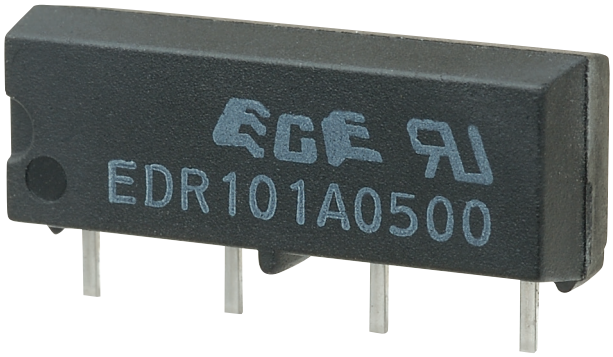
An ISO 9001 & 14001 Company

SIL Reed Relays

Order code: **60-0670**

1 Features:

1-1 Epoxy molded single in line structure
1-2 Higher mounting density than DIP type
1-3 Completely washable
1-4 Miniature cost effective switching solution
1-5 Is a UL recognised component (E155181)



2 Specifications:

2-1 ELECTRICAL

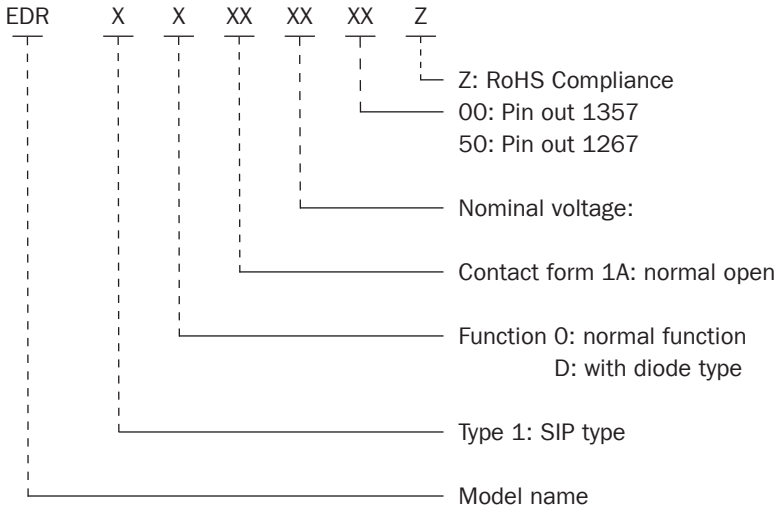
2-1-1	Contact form	1A
2-1-2	Contact rating	
	(a) Maximum switching power	10VA
	(b) Maximum switching voltage	100VDC
	(c) Maximum switching current	0.5ADC
	(d) Maximum carry current	1.0ADC
2-1-3	Contact resistance	150mΩ max.
2-1-4	Operate time (including bounce time)	1.0ms max.
2-1-5	Release time	0.5ms max.
2-1-6	Dielectric strength	
	(a) Coil to contact	1400VDC
	(b) Between contacts	250VDC
2-1-7	Insulation resistance	10^{10}Ω min.
2-1-8	Shock resistance	30G min.
2-1-9	Coil rating:	

Nominal voltage (VDC)	Operate voltage (V) max.	Pull in voltage (V)	Drop out voltage (V)	Coil resistance (Ω)	Nominal input power (mW)
5	16	3.75	0.8	500 ±10%	50
12	20	9.00	1.0	1000 ±1%	144
24	32	18.00	2.0	2150 ±10%	268

2-2 MECHANICAL AND ENVIRONMENTAL

2-2-1	Temperature range:	
	Operating temperature	–40°C to +85°C
	Storage temperature	–55°C to +125°C
2-2-2	Life expectancy (Ref 10VDC, 10mA)	100 x 10^6
2-2-3	Solderability	After flux 230 ±5°C for 5 ±0.5 seconds 95% coverage
2-2-4	Reflow soldering heat for SMT type (reference only)	Reflow zone 230 ±5°C for 30 seconds

3 Part numbering system:



4 Packing:

4-1 Packing method:

Relays are packed into IC tubes as an inner packing unit, then IC tubes are packed into boxes.

4-2 Information on the label (stuck to each tray)

(1) DESCRIPTION.
(2) LOT NO.
(3) REPROCESS NO.
(4) QUANTITY.
(5) TESTER NO.
(6) ECE MARK.
(7) QC STAMP.
(8) DATE.
(9) MANUFACTURER'S NAME.

5 Drawing:

See drawing on page 3 for: Reed relay dimensions; Wiring diagram and PCB layout diagram.

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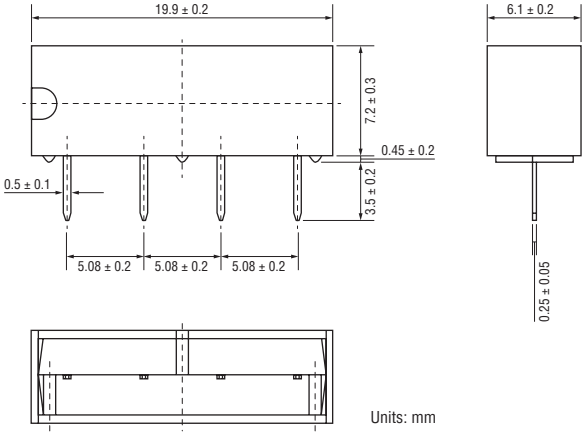
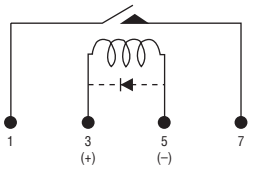
EDR10(D)1AXX00~49 (metal shell) Pin out 1357

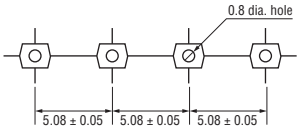


Units: mm

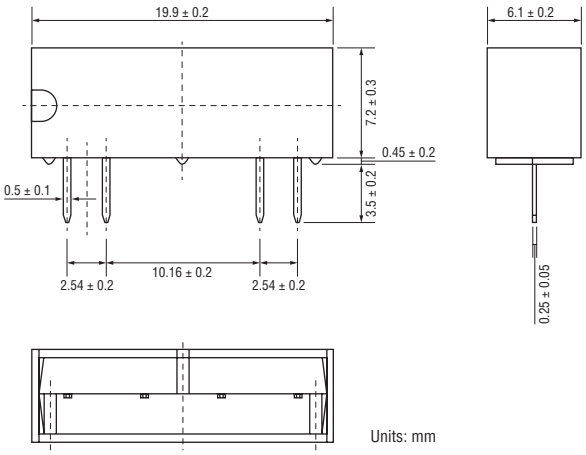
Wiring diagram (top view)



PCB layout (top view)

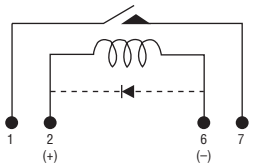


EDR10(D)1AXX50~99 (metal shell) Pin out 1267



Units: mm

Wiring diagram (top view)



PCB layout (top view)