

Solid State Relay Electrical Specification Tables

8 Pin DIP 600mA

Part Number	Features	Input Trigger Current V _D = 6V Max (mA)	Isolation Breakdown Voltage	Peak Blocking Voltage Min (V)	Zero Crossing Inhibit Voltage I _{FT} = 10mA Max (V)	RMS On-State Current Max (mA)	Forward Voltage I _F = 20mA Max (V)	Package	Schematic
ISRT84006	Instantaneous Switching	10	4000 RMS	400	-	600	1.4	1	1
ISRT86006				600	-				
ISRX84006	Zero-Crossing Switching			400	35				2
ISRX86006				600					

16 Pin DIP 1.2A

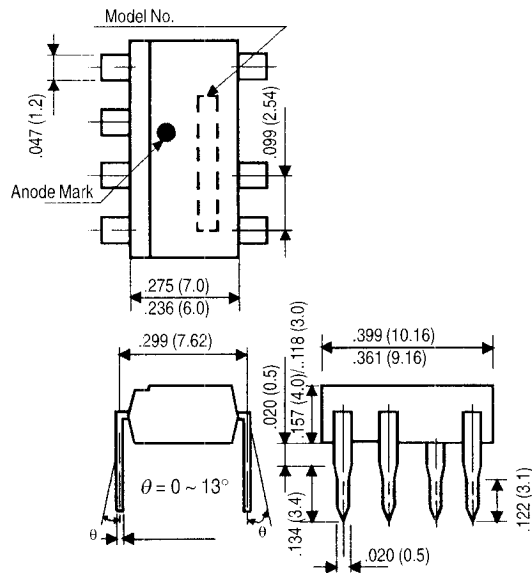
Part Number	Features	Input Trigger Current V _D = 6V Max (mA)	Isolation Breakdown Voltage Min (V)	Peak Blocking Voltage Max (V)	Zero Crossing Inhibit Voltage I _{FT} = 10mA Max (V)	RMS On-State Current Max (A)	Forward Voltage I _F = 20mA Max (V)	Package	Schematic
ISRT164012	Instantaneous Switching	10	4000 RMS	400	-	1.2	1.4	2	3
ISRT166012				600	-				
ISRX164012	Zero-Crossing Switching			400	35				4
ISRX166012				600					

4 Pin SIP 8-16A

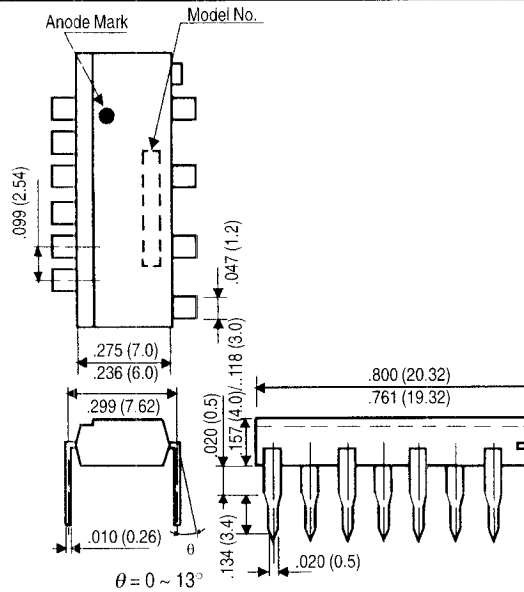
Part Number	Features	Input Trigger Current V ₀ = 6V Max (mA)	Isolation Breakdown Voltage Min (V)	Peak Blocking Voltage Min (V)	Zero Crossing Inhibit Voltage I _{FT} = 8mA Max (V)	RMS On-State Current Max (A)	Forward Voltage I _F = 20mA Max (V)	Package	Schematic	
ISRT44080	Instantaneous Switching	8	4000 RMS	400	-	8	1.4	3	5	
ISRT46080				600		16				
ISRT44160				400						
ISRT46160				600						
ISRX44080	Zero-Crossing Switching			400	35	8			16	6
ISRX46080				600						
ISRX44160				400						
ISRX46160				600						

Solid State Relay Package Drawings

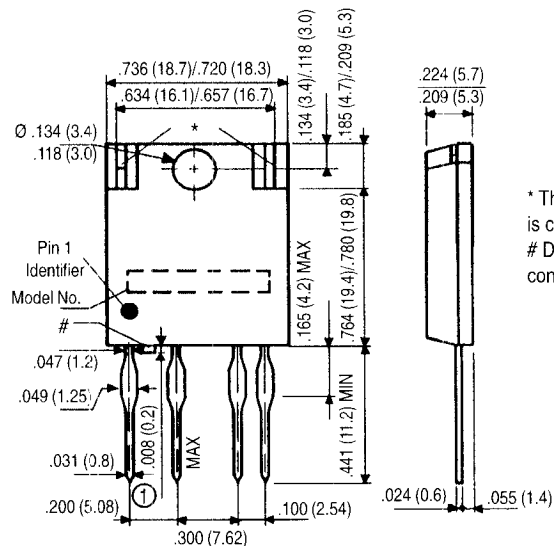
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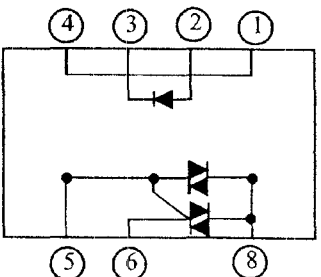
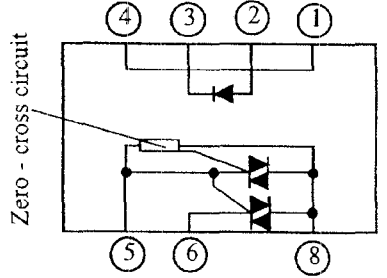
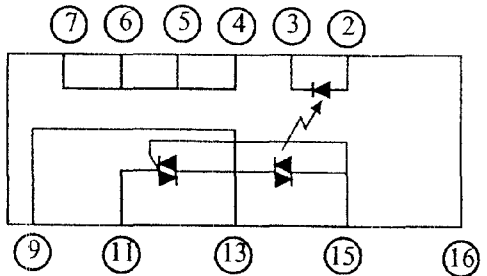
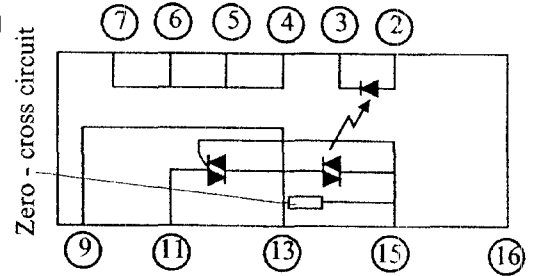
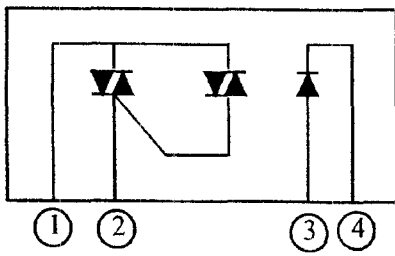
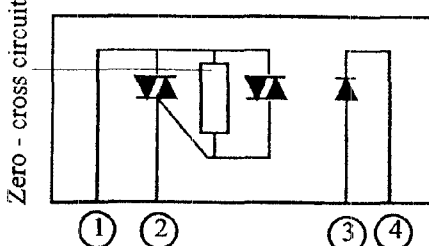
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* The metal part marked * is common with terminal ①
Do not allow external connection

Internal Connection Diagram	Package Type	Part Number
1  1 Cathode 2 Anode 3 Cathode 4 Cathode 5 Gate 6 T₁ 7 T₂	DIP Type	ISRT 84006 ISRT 86006
2  1 Cathode 2 Anode 3 Cathode 4 Cathode 5 Gate 6 T₁ 7 T₂		ISRX 84006 ISRX 86006
3  2 Anode 3 Cathode 4 NC 5 NC 6 NC 7 NC 9 T₂ 11 T₁ 13 T₂ 15 Gate 16 NC		ISRT 164012 ISRT 166012
4  2 Anode 3 Cathode 4 NC 5 NC 6 NC 7 NC 9 T₂ 11 T₁ 13 T₂ 15 Gate 16 NC		ISRX 164012 ISRX 166012
5  1 Output (AC) 2 Output (AC) 3 Input (+) 4 Input (-)	SIP Type	ISRT 44080 ISRT 46080 ISRT 44160 ISRT 46160
6  1 Output (AC) 2 Output (AC) 3 Input (+) 4 Input (-)		ISRX 44080 ISRX 46080 ISRX 44160 ISRX 46160