

Features:

- AC & DC Switching
- Low Leakage Current
- Low ON Resistance
- High Voltage

**400V, 3 Amps
1 Phase SSR**

Top View

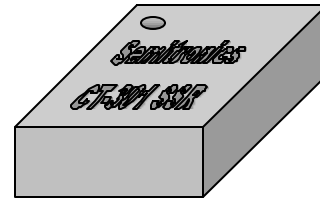


Table 1: Input Maximum Ratings @ 25°C

Parameter	Symbol	Rating	Unit
Forward Voltage	V_{in}	10	V
Reverse Voltage	V_R	3	V

Table 2: Output Maximum Ratings @ 25°C

Parameter	Symbol	Rating	Unit
Operating Voltage	V_D	500	V
Maximum Current	I_D	10	A

Table 3: Thermal Characteristics

Parameter	Symbol	Rating	Unit
Storage Temperature Range	T_{stg}	-55 to +125	°C
Operating Temperature Range	T_{opr}	-40 to +85	°C

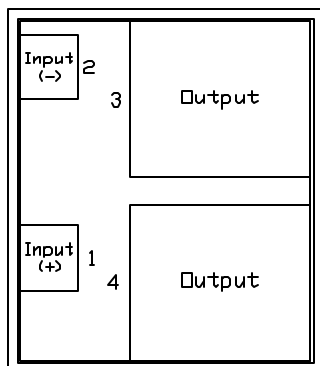
Table 4: Input Electrical Characteristics @ 25°C

Parameter	Symbol	Conditions	Limits			Units
			Min.	Typ.	Max.	
Input Current	I_{in}	$V_{in} = 3.6V$	-	20	-	mA
Reverse Current	I_R	$V_R = -3V$	-10	-	-	μA

Table 5: Output Electrical Characteristics @ 25°C

Parameter	Symbol	Conditions	Limits			Units
			Min.	Typ.	Max.	
ON Resistance	R_{on}	$I_D = 400mA$	-	0.375	0.50	Ω
Switching Time	Turn-on Time	$I_{in} = 20mA$	-	1	-	ms
	Turn-off Time	$I_{in} = 0mA$	-	8	-	ms
Output Capacitance	C_{oss}	$V_D = 10V, V_{in} = 0V, f = 1MHz$	-	583	-	pF
Cut-off Current	I_{DSS}	$V_D = 400V, V_{in} = 0V$	-	-	75	μA

**Surface Mount Layout
Bottom View**



Circuit Diagram

Top View

