

New release

# S5D-1005 (L/M/H)

Compact DC solid state relay

## ■ Features

- Compact size
- High-speed, high-frequency control
- Faston terminal input #187 output #250



## ■ Ratings

(Ta=25°C)

Items		Symbols	S5D-1005L	S5D-1005M	S5D-1005H	Units
Output	Maximum Load	VOMAX	200			VDC
	Load Voltage Range	Pure DC	5~150			VDC
		Bridge Rectification	VO	100		
	Maximum Load Current	IOMAX	5			ADC/Arms
Surge Current Ratings		ISURGE	10 (1sec)			A
Input	Maximum Input	VIMAX	8	18	28	VDC
	Input Impedance	RIN	270	680	1500	Ω
General	Dielectric Strength	VISO	2,500 1Min (input-output-case)(Rh40~60%)			VACrms
	Isolation Resistance	RISO	10 <sup>8</sup> (MIN) DC500V (input-output-case)(Rh40~60%)			Ω
	Operating Temperature Range	TOPR	-20~80			°C
	Storage Temperature Range	TSTG	-30~100			°C

## ■ Electrical Characteristics

(Ta=25°C)

Items		Symbols	S5D-1005L	S5D-1005M	S5D-1005H	Units
Output	Off State Leakage Current	ILEK	0.1(MAX) (Vo=150V)			mADC
	On State Voltage Drop	VSAT	1.5(MAX)			VDC
	Minimum Load Current	IOMIN	0.1			mA
Input	Input Voltage Range	VI	4~8	8~18	18~28	VDC
	Operate Voltage	VP	4(MAX)	8(MAX)	18(MAX)	VDC
	Release Voltage	VD	1(MIN)			VDC
General	Operate Time	TON	5ms(MAX) (Resistive load)			/
	Release Time	TOFF	1ms(MAX) (Resistive load)			
	Capacitance	CIO	80(MAX)			PF

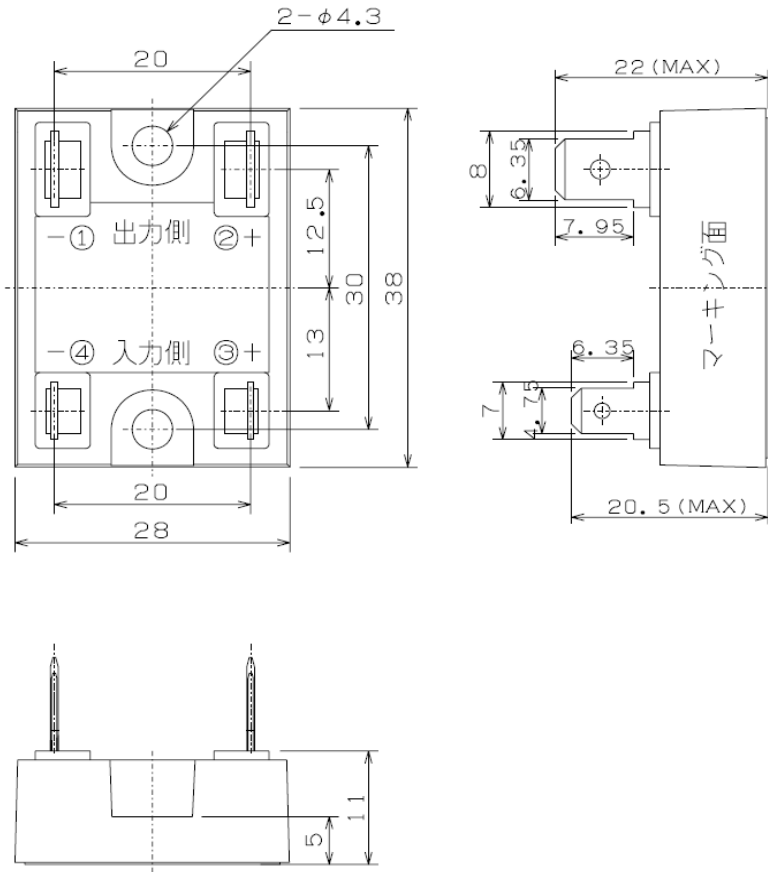
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## ■Dimensions (mm)



## ■Characteristic curves

