

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 Voltage	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 ⁸ (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

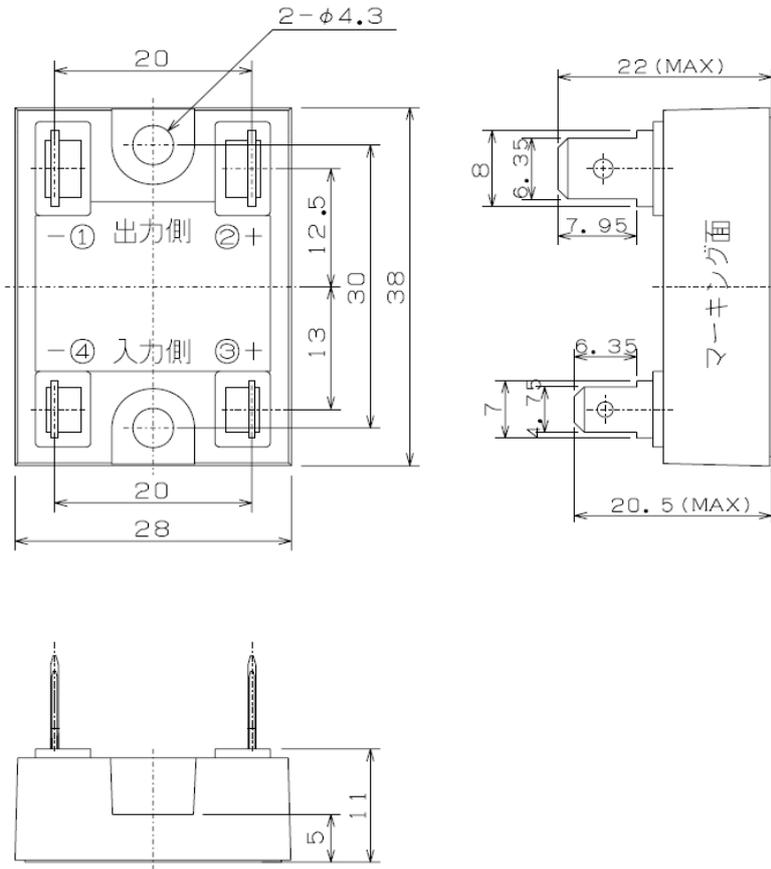
JEL SYSTEM CO., LTD

4-2-11, Kudanminami, Chiyoda-Ku, Tokyo, 102-0074 JAPAN

TEL +81-3-5211-5612 FAX +81-3-5210-3022

URL : <https://www.jelsystem.co.jp> e-mail : contact1@jelsystem.co.jp

■Dimensions (mm)



■Characteristic curves

