

New release

S5D-2005 (L/M/H)-HS

DC solid state relay with heat-sink



■ Features

- Mount to DIN track
- High-speed, high-frequency control
- Faston terminal input #187 output #250

■ Ratings

(Ta=25°C)

Items		Symbols	S5D-2005L-HS	S5D-2005M-HS	S5D-2005H-HS	Units
Output	Maximum Load	VOMAX	400			VDC
	Load Voltage Range	Pure DC	5~280			VDC
		Bridge Rectification	VO	200		
	Maximum Load Current	IOMAX	5			ADC/Arms
Surge Current Ratings		ISURGE	15 (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-2005L-HS	S5D-2005M-HS	S5D-2005H-HS	Units
Output	Off State Leakage Current	ILEK	0.1(MAX) (Vo=250V)			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

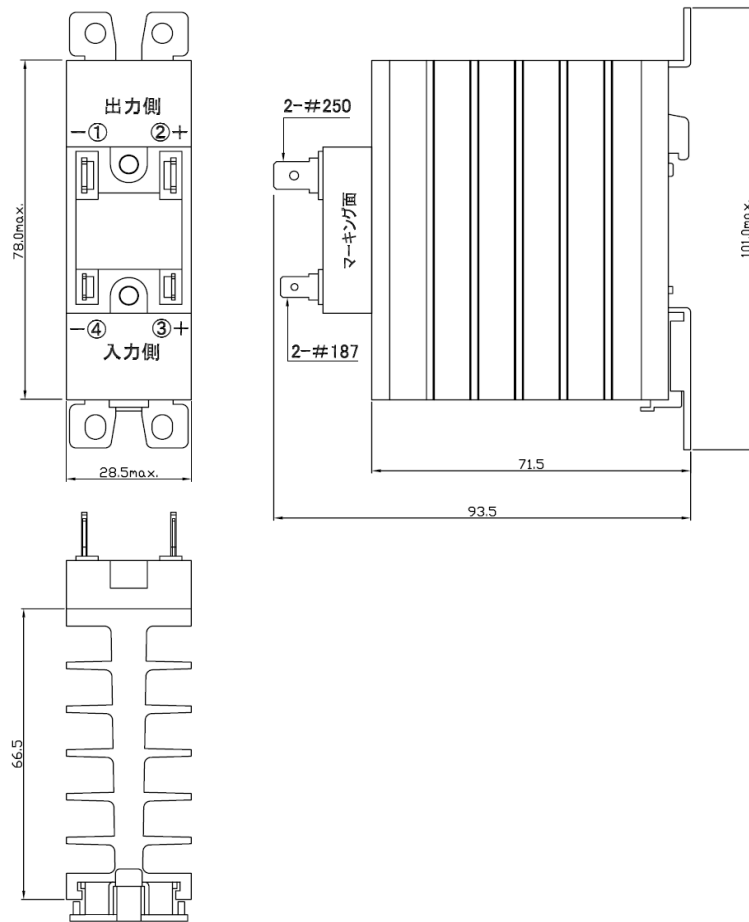
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■Dimensions (mm)



■Characteristic curves

