

Draduat Descripti

Product Descri	iption					
 Load Cur 	tage: 48VDC, 100VDC rrent: 5A strength: 2500Vrms	;		2- 3+	R044 PUT 4- E	
Ordering Inforr	mation				R646	
KSF	48	D	5	-12	(XXX)	
KSF Series ⁽¹⁾	Load Voltage 48: 0-48VDC 100: 0-75VDC	DC Control	Load Current 5: 5Amp	Control Voltage 5: 4-6VDC 12: 9.6-14.4VDC 24: 19.2-28.8VDC W: 4-32VDC	Customized Code	
(1)Part numbers a	vailable are listed in the	table below.				
5VDC		KSF48D5-5		KSF100D5-5		
12VI	DC	KSF48D5-12		KSF100D5-12		
24VDC W		KSF48D5-24 KSF48D5-W		KSF100D5-24 KSF100D5-W		
General Specif	fications					
Input Specifications	; (Ta=25°C)					
		 	5	4-6VDC		
Control Voltage Range		,	12	9.6-14.4VDC		
Control Voltage 14	ange	L	24	19.2-28.8VDC		
			W	4-32VDC		
Must Turn-on Volt	909	L	5/W	4VDC		
	ago -	r	12	9.6VDC 19.2VDC		
Must Turn-off Volt	200		241VI			
			5	25mA (@6VD(C)	
		 	12	25mA (@14.4\		
Maximum Input C	urrent	; I	24	25mA (@28.8		
			W	25mA (@32VE	DC)	
Output Specification	is (Ta=25°C)					
Load Voltage Range			48VDC	0-48VDC		
		⊢	100VDC	0-75VDC		
Maximum Transis	ant Overvoltage	1	48VDC 48Vpk			
Maximum Transie	ent Overvoitage		100VDC	150Vpk		
Load Current Ran			0.0	2~5A		
Maximum Surge (Current (@10ms)		50A			
Maximum On-Sta	ate Resistance		48VDC	37mΩ		
			100VDC 48VDC	100mΩ	100mΩ 64.6-71.4VDC	
Internal TVS Protection		L	100VDC	105-116VDC		

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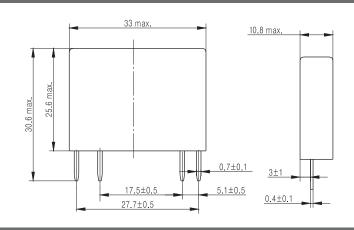


Maximum Turn-on Time	1ms	
Maximum Turn-off Time	1ms	
Maximum Off-State Leakage Current@Rated Load Voltage	0.1mA	
eneral Specifications (Ta=25°C)		
Dielectric Strength (50/60Hz)	2500Vrms	
	1000ΜΩ	
Minimum Insulation Resistance (@500VDC)	100011122	
·	-30°C ~ +80°C	
Minimum Insulation Resistance (@500VDC) Ambient Temperature Range Storage Temperature Range		

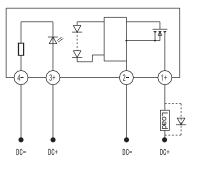
Applications

Suitable for DC motor, electromagnetic valve, electromagnet control, and etc.

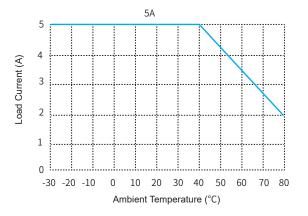
Outline Dimensions



Wiring Diagram



Thermal Derating Curve



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General Notes

1. Soldering must be finished within 10 seconds at 260°C, or finished within 5 seconds at 350°C. Otherwise it may cause damage to the relay.

2. Terminal polarity must be observed. Otherwise it may cause damage to the relay.

3. When ambient temperature is above 25 C, the maximum load current decreases. See thermal derating curve.

4.Capacitive load will produce very high surge current at the moment of conduction, which may lead to the damage of solid state relay due to the excessive surge current. Therefore, if the actual load is capacitive, or the load has parallelled large capacitance, it is strongly recommended that NTC should be connected in series in the load loop to suppress surge current in order to avoid damage to the product.

Warnings

- 1. The product's side panels may be hot, allow the product to cool before touching.
- 2. Disconnect all power before installing or working with this equipment.
- 3. Verify all connections and replace all covers before turning on power.

