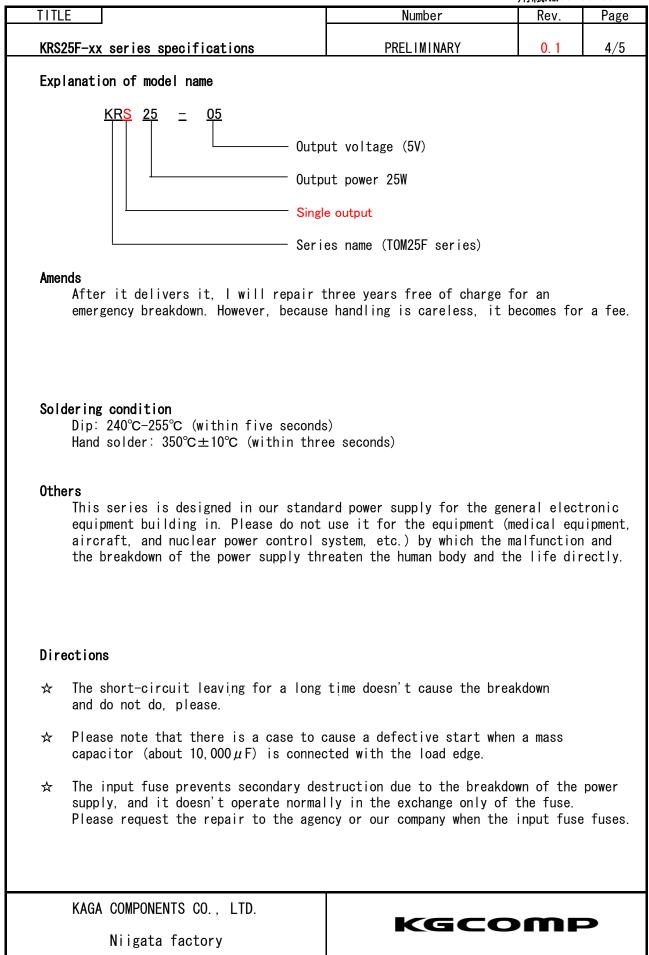
用紙No.\*\*-\*\*-\*\*

TITLE KRS25F-xx series specif Model number, Output ra	ications		mber	Rev.	Page
	ications	DDELT			
Model number, Output ra		PRELI	PRELIMINARY		1/5
meder namber, edipatra	tings and Efficiency				
MODEL No.		Output Current (A) Effic			
MODEL NO.	Output Voltage (VDC) 100	OVAC 230VAC	Load (Typ 100VAC 2		
KRS25F-03	3.3	6 6	69	69	
KRS25F-05	5	5 5	74	74	
KRS25F-12	1	2.1 2.1	80	80	
KRS25F-15		1.7 1.7	80	80	
KRS25F-24	24	1.1 1.1	80	80	
Input specification					
Input rating		(85 ~ 264VAC)			
	50 – 60Hz (4				
	-	0.47 - 0.26A ty			
	Other outputs:	0.55 – 0.3A typi	cal (at nomina	I output)	
In-rush current	17 / 41 A typic	$a = \frac{100}{220}$	AC input)		
	1, , 11, (c) pic	al (al 100/230V)	-		
Leakage current		aximum (at 100/2307)	230VAC 63Hz	input)	
	$0.5 \ / \ 0.75 mA m$ range $\pm 10\%$		230VAC 63Hz	input)	
Leakage current <b>Output specifications</b> Voltage adjustment	$0.5 \ / \ 0.75$ mA m range $\pm 10\%$ uracy $\pm 5\%$		230VAC 63Hz	input)	
Leakage current <b>Output specifications</b> Voltage adjustment Output voltage acc	$0.5 \ / \ 0.75$ mA m range $\pm 10\%$ uracy $\pm 5\%$ ition	aximum (at 100/)	ion Rippl	e and Noise	1
Leakage current <b>Output specifications</b> Voltage adjustment Output voltage acc Input/Output regula	$0.5 \ / \ 0.75$ mA m range $\pm 10\%$ uracy $\pm 5\%$ tion Input regulation (mVmax)	Load regulat (mVmax)	ion Rippl (DC	e and Noise ; – 20MHz)	]
Leakage current <b>Output specifications</b> Voltage adjustment Output voltage acc	$0.5 \ / \ 0.75$ mA m range $\pm 10\%$ uracy $\pm 5\%$ ition	Load regulat (mVmax)	ion Rippl (DC ad) (11	e and Noise - 20MHz) 00% Ioad)	
Leakage current <b>Output specifications</b> Voltage adjustment Output voltage acc Input/Output regula	$0.5 \ / \ 0.75$ mA m range $\pm 10\%$ uracy $\pm 5\%$ tion Input regulation (mVmax)	Load regulat (mVmax)	ion Rippl (DC ad) (10 100Vi	e and Noise - 20MHz) 00% load) n 230Vin	
Leakage current Output specifications Voltage adjustment Output voltage acc Input/Output regula MODEL No.	0.5 / 0.75mA m range $\pm 10\%$ uracy $\pm 5\%$ tion Input regulation (mVmax) (85-132/170-264VAC	Load regulat (mVmax) (0~100% loa	ion Rippl (DC ad) (10 100Vi *1 *	e and Noise = 20MHz) 00% load) n 230Vin ★2 ★1 ★2	
Leakage current <b>Output specifications</b> Voltage adjustment Output voltage acc Input/Output regula	$0.5 \ / \ 0.75$ mA m range $\pm 10\%$ uracy $\pm 5\%$ tion Input regulation (mVmax)	Load regulat (mVmax)	ion Rippl (DC ad) (10 100Vi *1 *	e and Noise = 20MHz) 00% load) n 230Vin \$2 *1 *2 250 150 150	-
Leakage current Output specifications Voltage adjustment Output voltage acc Input/Output regula MODEL No. KRS25F-03	0.5 / 0.75mA m range $\pm 10\%$ uracy $\pm 5\%$ ition Input regulation (mVmax) (85-132/170-264VAC 16.5	Load regulat (mVmax) (0~100% loa 100	ion Rippl (DC ad) (11 100Vi *1 * 200 2	e and Noise = 20MHz) 00% load) n 230Vin \$2 *1 *2 250 150 150 250 150 150	)
Leakage current Output specifications Voltage adjustment Output voltage acc Input/Output regula MODEL No. KRS25F-03 KRS25F-05	$0.5 \ / \ 0.75$ mA m arange $\pm 10\%$ uracy $\pm 5\%$ tion Input regulation (mVmax) (85-132/170-264VAC) 16.5 25	Load regulat (mVmax) (0~100% loa 100	ion Rippl (DC ad) (10 100Vi *1 * 200 2 250 2 350 3	e and Noise = 20MHz) 00% load) n 230Vin \$2 *1 *2 250 150 150 250 150 150 250 100 100	) )

				用紙№.**-*	
TITLE		Nur	ıber	Rev.	Page
KRS25F-xx series specifica	tions	PRELI	MINARY	0. 1	2/5
Tempertaure coeffecient	0.02% ∕ °C max	imum			
Drift	(0.5%+15mV)n	naximum / 8H(aft	er 1H warm-up)		
Rise-up Time	300 mS maximu	m (at 100/230V)	AC input)		
Hold-up Time	9 / 90 mS typic	al (at 100/230V/	AC input with no	mial output)	)
<b>Protection specifications</b> Over Voltage Protection	N/A				
Over Current Protection		tomatic recovery			
Thermal Shutdown	Power supply, a	operation in ove nd recycle on. ly will resume no			
To a lattice and a life attice a	The power supp	iy will resume no	rinal operation.		
Isolation specifications Isolation Resistance	PriSec PriFg Sec-Fg	100mΩ MIN. 100mΩ MIN. 100mΩ MIN.	(500VDC) (500VDC) (500VDC)		
Isolation Voltage	PriSec PriFg	3000VAC / 1mir 2000VAC / 1mir			
	Sec-Fg	500VAC / 1min			
<b>Environmental specifications</b> Operating Temp.	Sec-Fg	500VAC / 1min		)	
-	Sec-Fg	500VAC / 1min	(10mA)	)	
Operating Temp.	Sec-Fg 0 ~ +70 °C	500VAC / 1min (see deratio	(10mA)	)	
Operating Temp. Storage Temp.	Sec-Fg $0 \sim +70 \degree C$ $-20 \sim +85\degree C$ $20 \sim 85\% RH$ (	500VAC / 1min (see deratin No condensing)	(10mA)	)	
Operating Temp. Storage Temp. Humidity	Sec-Fg $0 \sim +70 \degree C$ $-20 \sim +85\degree C$ $20 \sim 85\% RH$ (	500VAC / 1min (see deratin No condensing)	(10mA)	only	3%∕°C)
Operating Temp. Storage Temp. Humidity Fig.1 Derating curve 100% 75 50 50	Sec-Fg $0 \sim +70 \degree C$ $-20 \sim +85\degree C$ $20 \sim 85\% RH$ (	500VAC / 1min (see deratin No condensing) t Temp.)	(10mA) ng curve Fig. 1 (10ad reduc (2:5V output of (10ad reduc (3:12V,15V and	only tion rate nly tion rate I 24V outpu	3. 75%/° t
Operating Temp. Storage Temp. Humidity Fig.1 Derating curve 100% 75	Sec-Fg 0 ~ +70 °C -20 ~ +85°C 20 ~ 85%RH ( (Load vs Ambien ① (	500VAC / 1min (see deratin No condensing) t Temp.) 2 3	(10mA) ng curve Fig. 1 (1:3.3V output (1oad reduc (2:5V output or (1oad reduc	only tion rate nly tion rate I 24V outpu	3.75%/° t
Operating Temp. Storage Temp. Humidity Fig.1 Derating curve 100% 75 50 25 0 25 0 Amb Note) 3.3V and 5V	Sec-Fg 0 ~ +70 °C -20 ~ +85°C 20 ~ 85%RH ( (Load vs Ambien 1) ( 1) ( 45 s ient Temprature	500VAC / 1min (see deratin No condensing) t Temp.) 2 3 50 55 60 65 70°C the input voltag	(10mA) ng curve Fig. 1 (10ad reduc: (2):5V output of (10ad reduc: (3):12V,15V and (10ad reduc:	only tion rate nly tion rate I 24V outpu tion rate	3.75%/° t
Operating Temp. Storage Temp. Humidity Fig.1 Derating curve 100% 75 50 25 0 25 0 Amb Note) 3.3V and 5V	Sec-Fg 0 ~ +70 °C -20 ~ +85°C 20 ~ 85%RH ( (Load vs Ambien (1) ( 45 states) ient Temprature outputs are th Dirating of 1%/V i	500VAC / 1min (see deratin No condensing) t Temp.) 2 3 50 55 60 65 70°C the input voltag	(10mA) ng curve Fig. 1 (10ad reduc: (2):5V output of (10ad reduc: (3):12V,15V and (10ad reduc:	only tion rate hly ion rate 24V outpu tion rate less and	3. 75%/° t

			用紙№.**-∹	**-**
TITLE		Number	Rev.	Page
KRS25F-xx series specif	ications	PRELIMINARY	0. 1	3/5
Application standard Safety:	UL60950 CSA C22.2 №.60 CE (EN60950 A3 CB (IEC60950:1			
EMI:	FCC Part 15 Cl EN55022 Class E VCCI(Ⅱ) meet			
Shock & Vibration Vibration :		5mm width/1minute cycle each 30 minutes		
Shock:	20G (3 direc	tions each 3 times)		
CONDITION				
(Single)				
<sup>O</sup> A <sub>O</sub> I o F	N C ⊥   {)	Vr Vn		
		oad regulation and output	-	
Vn : Meas	ure point of ripple	e and noise.(Bayonet tip p	robe used)	
C: 0.1 µ	$\iota$ F film capacitor a	and $47 \mu F$ electrolytic cap	acitor.	
Externals size	41 * 85 * 27.	4mm		
Weight	100g (typ)			
Switching Frequency	100KHz(typ)			
KAGA COMPONENTS C	0., LTD.	KGCO		-
Niigata fact	cory		<b>/</b>	



用紙No.\*\*-\*\*-\*\*

			用紙№.**-	1
TITL	E	Number	Rev.	Pag
App	lication standard	PRELIMINARY	0. 1	5/5
Dire ☆	Please arrange it to separate the pat voltage of the noise terminal might k pattern of the AC input line may pass Moreover, please arrange it to separa that the output noise might become large if it arranges it so that the pattern of the DC output may pass under this power-supply unit.	become large if it arranges s under this power-supply un	it so tha <sup>.</sup> it.	t the
☆	Please secure 5mm or more from the poparts (The chassis is included) that different potential around the power supply. Please insert the insulating paper be those when becoming less than 5mm.	o o o bc	the patto	ern and
*	It is likely to make an internal conr than the necessity is added to the l/ Please adjust the stress to 2kgf or less by horizontal direction by 1kgf or lessin the vertical direction as shown in the figure below.	•		• x. 1kgf
	KAGA COMPONENTS CO., LTD.	KGCO		