



■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Ultra-miniature size, light weight
- Cooling by free air convection
- Isolation class II
- Medical safety approved (2 x MOPP between primary to secondary)
- No load power consumption<0.5W
- 100% full load burn-in test
- Fixed switching frequency at 67KHz
- High reliability
- Suitable for BF application with appropriate system consideration
- 3 years warranty



GE RRENT RANGE WER NOISE (max.) Note. TOLERANCE Note.3 JLATION GULATION SE TIME TIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.3	3 ±3.0% ±1.0% ±1.0% 1000ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V Touch current < 80 \(\text{A} \) /2 Above 105% rated outp	76% 2A/230VAC VAC 50A/230VAC ut power	78%	15V 1A 0~1A 15W 150mVp-p ±2.0% ±0.5% ±1.0%	24V 0.63A 0~0.63A 15.12W 240mVp-p ±2.0% ±0.5% ±0.5%		
RANGE WER NOISE (max.) Note. TOLERANCE Note.3 JLATION GULATION SE TIME TIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.3	0 ~ 3.5A 11.55W 2 80mVp-p 3 ±3.0% ±1.0% ±1.0% 1000ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115\ 5 Touch current < 80 \(\alpha A/2 \) Above 105% rated outp	0 ~ 3A 15W 80mVp-p ±2.0% ±1.0% 1000ms, 20ms Ims/115VAC at full loc 370VDC 76% 2A/230VAC VAC 50A/230V/AC ut power	0 ~ 1.25A 15W 150mVp-p ±2.0% ±0.5% ±1.0% 5/115VAC at full load	0~1A 15W 150mVp-p ±2.0% ±0.5% ±1.0%	0 ~ 0.63A 15.12W 240mVp-p ±2.0% ±0.5% ±0.5%		
WER NOISE (max.) Note. TOLERANCE Note.S JLATION GULATION SE TIME TIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.S	11.55W 2 80mVp-p 3 ±3.0% ±1.0% ±1.0% 1000ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V 5 Touch current < 80 \(\alpha A/2 \) Above 105% rated outp	15W 80mVp-p ±2.0% ±1.0% 1000ms, 20ms 4ms/115VAC at full lo ~370VDC 76% 2A/230VAC VAC 50A/230V/2 264VAC ut power	15W 150mVp-p ±2.0% ±0.5% ±1.0% 5/115VAC at full load	15W 150mVp-p ±2.0% ±0.5% ±1.0%	15.12W 240mVp-p ±2.0% ±0.5% ±0.5%		
NOISE (max.) Note. TOLERANCE Note.3 JLATION GULATION SE TIME TIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.3	2 80mVp-p 3 ±3.0% ±1.0% ±1.0% 1000ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V 5 Touch current < 80 \(\alpha \) A/2 Above 105% rated outp	80mVp-p ±2.0% ±1.0% 1000ms, 20ms 4ms/115VAC at full lo ~ 370VDC 76% 2A/230VAC VAC 50A/230V/264VAC ut power	150mVp-p ±2.0% ±0.5% ±1.0% 5/115VAC at full load	150mVp-p ±2.0% ±0.5% ±1.0%	240mVp-p ±2.0% ±0.5% ±0.5%		
TOLERANCE Note.3 JLATION GULATION SE TIME TIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.3	3 ±3.0% ±1.0% ±1.0% 1000ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V Touch current < 80 \(\text{A} \) /2 Above 105% rated outp	#2.0% #1.0% #1.0% 1000ms, 20ms #ms/115VAC at full lo ~ 370VDC 76% PA/230VAC VAC 50A/230V/264VAC ut power	±2.0% ±0.5% ±1.0% s/115VAC at full load ad	±2.0% ±0.5% ±1.0%	±2.0% ±0.5% ±0.5%		
JLATION GULATION SE TIME FIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.	±1.0% ±1.0% 1000ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 47 ~ 440Hz 73% 0.35A/115VAC COLD START 30A/115V Touch current < 80 \(\text{A} \) Above 105% rated outp	±1.0% ±1.0% 1000ms, 20ms Ims/115VAC at full lo ~ 370VDC 76% 2A/230VAC VAC 50A/230V/264VAC ut power	±0.5% ±1.0% s/115VAC at full load ad	±0.5% ±1.0%	±0.5% ±0.5%		
GULATION SE TIME FIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note:	±1.0% 100ms, 20ms/230VAC 100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC COLD START 30A/115V Touch current < 80 \(\text{A} \) Above 105% rated outp	±1.0% 1000ms, 20ms Ims/115VAC at full lo ~ 370VDC 76% 2A/230VAC VAC 50A/230V/ 264VAC ut power	±1.0% s/115VAC at full load ad	±1.0%	±0.5%		
SE TIME FIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note:	1000ms, 20ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V Touch current < 80 \(\text{A} \)/2 Above 105% rated outp	1000ms, 20ms Ims/115VAC at full lo ~ 370VDC 76% 2A/230VAC VAC 50A/230V/ 264VAC ut power	5/115VAC at full load load				
FIME (Typ.) RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note:	100ms/230VAC 24 85 ~ 264VAC 120 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115 Touch current < 80 \(\text{A} \)/2 Above 105% rated outp	76% 2A/230VAC VAC 50A/230VAC ut power	78%	79%	81%		
RANGE CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note:	85 ~ 264VAC 120 · 47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V Touch current < 80 \(\alpha A/2 \) Above 105% rated outp	~ 370VDC 76% 2A/230VAC VAC 50A/230VA 264VAC ut power	78%	79%	81%		
CY RANGE CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.	47 ~ 440Hz 73% 0.35A/115VAC 0.2 COLD START 30A/115V 5 Touch current < 80 \(\times A/2 \) Above 105% rated outp	76% 2A/230VAC VAC 50A/230V/264VAC ut power		79%	81%		
CY (Typ.) ENT (Typ.) URRENT (Typ.) CURRENT Note.	73% 0.35A/115VAC 0.2 COLD START 30A/115V Touch current < 80 \(\text{A} \)/2 Above 105% rated outp	2A/230VAC VAC 50A/230VA 264VAC ut power		79%	81%		
ENT (Typ.) URRENT (Typ.) CURRENT Note.	0.35A/115VAC 0.2 COLD START 30A/115V Touch current < 80 \(\mu A/2 \) Above 105% rated outp	2A/230VAC VAC 50A/230VA 264VAC ut power		79%	81%		
URRENT (Typ.) CURRENT Note.	COLD START 30A/115V Touch current < 80 \(\mu A/2 \) Above 105% rated outp	VAC 50A/230V/ 264VAC out power	AC		,		
CURRENT Note.	Touch current < 80 \(\mu \)A/2 Above 105% rated outp	264VAC ut power	AC				
	Above 105% rated outp	ut power					
D							
D	Protection type : Hiccur	· · · · · · · · · · · · · · · · · · ·	Above 105% rated output power				
	Protection type: Hiccup mode, recovers automatically after fault condition is removed						
OVER VOLTAGE	3.8 ~ 4.95V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V		
	Protection type : Shut o	ff o/p voltage, clamp	ing by zener diode	<u>'</u>	1		
TEMP.	-20 ~ +70°C (Refer to "Derating Curve")						
HUMIDITY	20 ~ 90% RH non-cond	ensing					
TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH						
FFICIENT	±0.03%/C (0~50°C)						
N	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes						
TANDARDS	ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1, UL60950-1 approved						
N LEVEL	Primary-Secondary: 2xMOPP						
ID VOLTAGE	I/P-O/P:4KVAC						
N RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH						
SION	Compliance to EN55011(CISPR11),EN55022 (CISPR22) Class B, EN61000-3-2,-3						
NITY	Compliance to EN6100	0-4-2,3,4,5,6,8,11, E	N55024, EN60601-1-2, EN	61204-3, medical level, crite	eria A		
	499.7Khrs min. MIL-	HDBK-217F (25°C)		<u> </u>			
N	75*53*22.7mm (L*W*H)						
	HUMIDITY TEMP., HUMIDITY EFFICIENT N TANDARDS N LEVEL ID VOLTAGE N RESISTANCE SION INITY N ameters NOT specia & noise are measu ice: includes set up	HUMIDITY 20 ~ 90% RH non-cond TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% EFFICIENT ±0.03%°C (0 ~ 50°C) N 10 ~ 500Hz, 2G 10min. TANDARDS ANSI/AAMI ES60601-1 N LEVEL Primary-Secondary: 2x ND VOLTAGE I/P-O/P:4KVAC N RESISTANCE I/P-O/P:100M Ohms / 5 SION Compliance to EN5501 INITY Compliance to EN6100 499.7Khrs min. MIL- N 75*53*22.7mm (L*W*H 0.14Kg; 120pcs/17.8Kg	HUMIDITY $20 \sim 90\%$ RH non-condensingTEMP., HUMIDITY $-40 \sim +85^{\circ}\text{C}$, $10 \sim 95\%$ RHEFFICIENT $\pm 0.03\%$ C ($0 \sim 50^{\circ}\text{C}$)N $10 \sim 500\text{Hz}$, $2\text{G 10min./1cycle, period for 60}$ TANDARDSANSI/AAMI ES60601-1, TUV EN60601-1, IEN LEVELPrimary-Secondary: 2XMOPP ID VOLTAGE I/P -O/P:4KVACN RESISTANCE I/P -O/P:100M Ohms / 500VDC / 25°C / 70% SIONCompliance to EN55011(CISPR11),EN5502INITYCompliance to EN61000-4-2,3,4,5,6,8,11, E499.7Khrs min.MIL-HDBK-217F (25°C)N $75^{*}53^{*}22.7\text{mm}$ ($L^{*}W^{*}H$)0.14Kg; 120pcs/17.8Kg/0.97CUFTImmeters NOT specially mentioned are measured at 230VAC inp& noise are measured at 20MHz of bandwidth by using a 12" to size includes set up tolerance, line regulation and load regulation	HUMIDITY 20 ~ 90% RH non-condensing TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH EFFICIENT ±0.03% C (0 ~ 50°C) N 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axe TANDARDS ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1, UL60950-1 app N LEVEL Primary-Secondary: 2xMOPP ID VOLTAGE I/P-O/P:4KVAC N RESISTANCE I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH SION Compliance to EN55011(CISPR11),EN55022 (CISPR22) Class B, EN6 INITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN 499.7Khrs min. MIL-HDBK-217F (25°C) N 75*53*22.7mm (L*W*H) 0.14Kg; 120pcs/17.8Kg/0.97CUFT Immeters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated loce: includes set up tolerance, line regulation and load regulation.	HUMIDITY 20 ~ 90% RH non-condensing TEMP., HUMIDITY 40 ~ +85°C, 10 ~ 95% RH EFFICIENT ±0.03%°C (0 ~ 50°C) N 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes TANDARDS ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1, UL60950-1 approved N LEVEL Primary-Secondary: 2xMOPP ID VOLTAGE I/P-O/P:4KVAC N RESISTANCE I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH SION Compliance to EN55011(CISPR11),EN55022 (CISPR22) Class B, EN61000-3-2,-3 INITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN61204-3, medical level, crite 499.7Khrs min. MIL-HDBK-217F (25°C) N 75*53*22.7mm (L*W*H) 0.14Kg; 120pcs/17.8Kg/0.97CUFT ameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel		



