



Product Service

EU-Type Examination Certificate

No. E6A 16 10 22021 676

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant

480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN

Product: Servo Motor
Linear Slider/ Linear Servo Motor/
Serial Converter

Model(s): SGT series (Linear Slider)
SGL series (Linear Servo Motor)
JZDP series (Serial Converter)
(See Attachment for Nomenclature)

Description of Object:

Rated Voltage: 200 VAC, 400 VAC, 3 Phase
Rated Power: 50 W to 11 kW
Rated Frequency: 50 Hz
Protection Class: I
EMC Classification: Group 1, Class A (EN 55011)
EMl:category C2(EN 61800-3)
EMS:second environment(EN 61800-3)

Tested according to:

EN 55011:2009/A1:2010
EN 61000-6-2:2005
EN 61000-6-4:2007/A1:2011
EN 61800-3:2004/A1:2012

This EU-Type Examination Certificate is issued according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with such aspects of the requirements of the EMC directive as specified by the manufacturer or his authorized representative in the European Community and applies only to the sample and its technical documentation submitted for testing and certification. This Type Examination does not contain any statements pertaining to the EMC protection requirements governed by other laws which serve to implement EU Directives other than the aforementioned Directive 2014/30/EU. See also notes overleaf.

Evaluation Report No.: 73561871

(Johann Roidt)

Date, 2016-10-05



TÜV SÜD Product Service GmbH is notified Body to the Directive 2014/30/EU relating to electromagnetic compatibility with the identification number 0123.



Product Service

Nomenclature

1.1 SGT series

1.1.1 PRODUCT COVERED : Linear Slider(SGT Type)

1.1.2 ELECTRICAL RATINGS :

Model

SGTxxxx - xxxxxxxxx

"x" represents Variations in model number as described in product covered and series nomenclature which do not affect electrical construction or rating. Reference Product Covered or Series Nomenclature.

1.1.3 NOMENCLATURE

1.1.3.1 SGT Series

1)Standard

SGT - -
 a b c d e f g h

a : Linear Slider(Σ-Trac)Series : SGT

b : Base Material

- 1:Standard (Aluminum Base)
- 2:High Stiffness (Iron Base)

c : Motor Type

Symbol	Motor Type	Symbol	Motor Type	Symbol	Motor Type
F1	SGLFW-20A090A	G1	SGLGW-40A140B	GG	SGLGW-60A140C
F2	SGLFW-20A120A	G2	SGLGW-40A253B	GH	SGLGW-60A253C
F3	SGLFW-35A120A	G3	SGLGW-40A365B	GI	SGLGW-60A365C
F4	SGLFW-35A230A	G4	SGLGW-60A140B	GJ	SGLGW-30A050C
F5	SGLFW-50A380A	G5	SGLGW-60A253B	GK	SGLGW-30A080C
F6	SGLFW-1ZA200A	G6	SGLGW-60A365B	GL	SGLGW-90A200C
F7	SGLFW-50A200A	G7	SGLGW-30A050B	GM	SGLGW-90A370C
F8	SGLFW-1ZA380A	G8	SGLGW-30A080B	GN	SGLGW-90A535C
F9	SGLFW-50A200B	GA	SGLGW-90A200A	GO	SGLGW-40A140C(M)
FA	SGLFW-50A380B	GB	SGLGW-90A370A	GP	SGLGW-40A253C(M)
FB	SGLFW-1ZA200B	GC	SGLGW-90A535A	GQ	SGLGW-40A365C(M)
FC	SGLFW-1ZA380B	GD	SGLGW-40A140C	GR	SGLGW-60A140C(M)
		GE	SGLGW-40A253C	GS	SGLGW-60A253C(M)
		GF	SGLGW-40A365C	GT	SGLGW-60A365C(M)

(M): With high thrust force magnet tracks

d : Number of carriage

e : Carriage Stroke

Example: 100...1000mm , 035...350mm



Product Service

f : Detector (Linear Scale)

Symbol	Maker Style Number	Output signal	Scale resolution	Manufacturer
AH40	LIDA187	Analogue	40µm-1Vp-p	HEIDENHAIN
AH20	LIDA487	Analogue	20µm-1Vp-p	HEIDENHAIN
AH04	LIF487	Analogue	4µm-1Vp-p	HEIDENHAIN
AR20	RGH22B	Analogue	20µm-1Vp-p	RENISHAW
PR20	RGH22D	Digital(Pulse)	5µm resolution	RENISHAW
PR04	RGH22X	Digital(Pulse)	1µm resolution	RENISHAW
PR02	RGH22Z	Digital(Pulse)	0.5µm resolution	RENISHAW
PRA4	RGH22Y	Digital(Pulse)	0.1µm resolution	RENISHAW
ABS1	ST781A	Digital(Serial)	0.5µm resolution	mitsutoyo
ABS2	ST782A	Digital(Serial)	0.1µm resolution	mitsutoyo

g : Surface Treatment Type

Symbol	Surface Treatment
-0	Aluminum :ANODIZE coat(white) , Iron :Black coat
-1	Aluminum :ANODIZE coat(black) , Iron :REIDENT coat

h: Design of RoHS responses model: -E or blank
 If be indicated "-E",
 Those models represent RoHS responses model.

2)Exclusive Design for Customer

SGT - -

a b c d e f g h i

- a to f : same as standard
- g : Customer Cord
- h : Design Revision Order for Customer
- i : Design of RoHS responses model: -E or blank
 If be indicated "-E",
 Those models represent RoHS responses model.

1.1.3.2 SGTM Series

1)Standard

SGTMM -

a b c d e f g

- a : Linear Slider(Σ-Trac-µ)Series : SGTM
- b : Peak Force
 01:10N, 03:25N, 06:60N
- c : Carriage Stroke
 Example : 010:10mm , 065:65mm

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Product Service

f: Design Revision
 A to Z

g: Optional parts:

Symbol	Contents	Remarks
-	Without hall sensor	---
P	With hall sensor	---

h: Design of RoHS responses model: -E or blank
 If be indicated "-E",
 Those models represent RoHS responses model.

2) Exclusive Design for Customer

SGTME -

a b c d e f g h

a to e : same as standard

f: Customer Cord

g: Design Revision Order for Customer

h: Design of RoHS responses model: -E or blank
 If be indicated "-E",
 Those models represent RoHS responses model.

1.2 SGL series

1.2.1 PRODUCT COVERED : Linear servo motor(SGL Type)

1.2.2 ELECTRICAL RATINGS :

Model

SGLxW - xxxxxxxxx Moving Coil
SGLxM - xxxxxxxxx Magnet Tracks

"x" represents Variations in model number as described in product covered and series nomenclature which do not affect electrical construction or rating. Reference Product Covered or Series Nomenclature.

1.2.3 NOMENCLATURE

1.2.3.1 SGLG, SGLF, SGLT Type

1) Standard

Moving Coils

SGL **W** -

a b c d e f g h i j

a: Linear Servo Motor(Linear Σ)Series : SGL



Product Service

b: Motor Type

Symbol	Motor Type	Construction
G	Coreless GW	The coreless GW linear motors are composed of "coil Assemblies" and stationary "Magnetic Ways".
F	Iron-core FW	The Iron-core FW linear motors are composed of "Coil Assemblies" with laminated iron-core and single sided stationary "Magnetic Ways".
T	Iron-core TW	The Iron-core TW linear motors are composed of "coil Assemblies" with laminated iron-core and a pair of stationary "Magnetic Ways" that are placed on each side of the moving coils.

c: Coil Design

W: Moving Coils

d: Magnet Size

20 to 90, 1Z(=100mm)

e: Supply Voltage

A : 200V , D : 400V

f: Coil Length (mm)

50 to 600

g: Design Revision

A to Z

h: Optional parts

Symbol	Contents	Remarks	
-	Without hall sensor	---	
P	With hall sensor	---	
C	Without hall sensor and forced cooling	Air cooling	SGLGW-40,-60,-90
		Liquid cooling	SGLTW-40,-80
H	With hall sensor and forced cooling	Air cooling	SGLGW-40,-60,-90
		Liquid cooling	SGLTW-40,-80

i: Cable Connector Main Circuit Cable

Symbol	Contents
-	MS connector or connector made by Tyco Electronics AMP K.K
D	Connector made by Interconnectron

j: Design of RoHS responses model: -E or blank

If be indicated "-E",

Those models represent RoHS responses model.



Product Service

Magnet Tracks

SGL M - -

a b c d e f g h i

a to f : same as standard

g: Customer Cord (any alphabets)

h: Design Revision Order for Customer(any numbers)

i: Design of RoHS responses model: -E or blank
 If be indicated "-E",
 Those models represent RoHS responses model.

1.2.3.2 SGLC Type

1)Standard

Moving Coils

SGL C W - D

a b c d e f g h i

a: Linear Servo Motor(Linear Σ)Series : SGL

b: Motor Type
 C: Cylinder TYPE

c: Coil Design
 W: Moving Coils

d: Outer Diameter of Magnetic Way
 D16:16mm , D20:20mm , D25:25mm , D32:32mm

e: Supply Voltage
 A : 200V

f: Coil Length (mm)
 85 to 285

g: Design Revision
 A to Z

h: Optional parts

Symbol	Contents	Remarks
-	Without hall sensor	---
P	With hall sensor	---

i: Design of RoHS responses model: -E or blank
 If be indicated "-E",
 Those models represent RoHS responses model.



Magnet Tracks

SGL C M - D

a b c d e f g

- a: Linear Servo Motor(Linear Σ)Series : SGL
- b: Motor Type
C: Cylinder TYPE
- c: Magnet Tracks Design
M: Magnet Tracks
- d: Outer Diameter of Magnetic Way
D16:16mm , D20:20mm , D25:25mm , D32:32mm
- e: Magnet Track Length(mm)
300 to 1500
- f: Design Revision
A to Z
- g: Design of RoHS responses model: -E or blank
If be indicated "-E",
Those models represent RoHS responses model.

2) EXCLUSIVE DESIGN FOR CUSTOMER

Moving Coils

SGL C W - D -

a b c d e f g h i j

- a to g : same as standard
- h: Customer Cord (any alphabets)
- i: Design Revision Order for Customer(any numbers)
- j: Design of RoHS responses model: -E or blank
If be indicated "-E",
Those models represent RoHS responses model.

Magnet Tracks

SGL C M - D -

a b c d e f g h i

- a to f : same as standard
- g: Customer Cord (any alphabets)
- h: Design Revision Order for Customer(any numbers)
- i: Design of RoHS responses model: -E or blank
If be indicated "-E",
Those models represent RoHS responses model.



1.2.3.3 SGLF□2 Type

1)Standard
Moving Coils.

SGL F W 2 - □□ □ □□□ □ □ □ □
 a b c d e f g h i j

a: Linear Servo Motor(Linear Σ)Series : SGL

b: Motor Type
 F: Iron-core F TYPE

c: Coil Design
 W: Moving Coils

d: Magnet Size
 30 to 90, 1D(=135mm)

e: Supply Voltage
 A : 200V , D : 400V

f: Coil Length (mm)
 70 to 560

g: Design Revision
 A to Z

h: Optional parts

Symbol	Contents	Remarks
T	Without hall sensor, with thermal protector	---
S	With hall sensor and thermal protector	---
K	Without hall sensor, with thermistor	---
J	With hall sensor and thermistor	---

i: Cooling Method

Symbol	Contents	Remarks
1	Self-cooled	---
L	Water-cooled	SGLFW2-90,1D

j: Cable Connector Main Circuit Cable

Symbol	Contents	Remarks
-	Connector from Tyco Electronics Japan G.K. (Cable Length=300mm)	---
H	Connector from Tyco Electronics Japan G.K. (Cable Length=500mm)	---
D	Connector from Phoenix Contact GmbH (Cable Length=300mm)	---
E	Connector from Phoenix Contact GmbH (Cable Length=500mm)	---
F	Loose lead wires with no connector (Cable Length=300mm)	---
G	Loose lead wires with no connector (Cable Length=500mm)	---



Product Service

Magnet Tracks

SGL F M 2 - □□ □□□ □
 a b c d e f

- a: Linear Servo Motor(Linear Σ)Series : SGL
- b: Motor Type
 F: Iron-core F TYPE
- c: Magnet Tracks Design
 M: Magnet Tracks
- d: Magnet Size
 30 to 90,1D(=135mm)
- e: Magnet Track Length(mm)
 270 to 714
- f: Design Revision
 A to Z

2) EXCLUSIVE DESIGN FOR CUSTOMER

Moving Coils

SGL F W 2 - □□ □ □□□ □ - □□ □□
 a b c d e f g h i

- a to g : same as standard
- h: Customer Cord (any alphabets)
- i: Design Revision Order for Customer(any numbers)

Magnet Tracks

SGL F M 2 - □□ □□□ □ - □□ □□
 a b c d e f g h

- a to f : same as standard
- g: Customer Cord (any alphabets)
- h: Design Revision Order for Customer(any numbers)



Product Service

1.3 JZDP Series

1.3.1 PRODUCT COVERED : Serial Converter(JZDP TYPE)

1.3.2 ELECTRICAL RATINGS :

Model
JZDP - xxxx - xxx

"x" represents Variations in model number as described in product covered and series nomenclature which do not affect electrical construction or rating. Reference Product Covered or Series Nomenclature.

1.3.3 NOMENCLATURE

JZDP - - -

a b c d e

a: SERVO INSTRUMENT "Serial Converter"

b: Serial Converter Unit Model : A or D or G or H or J

A: Standard

D: Signal amplitude alarm function addition , resolution 1/256 pitch

G: Signal amplitude alarm function addition , resolution 1/4096 pitch

H: Signal amplitude alarm, thermal protection function addition , resolution 1/256 pitch

J: Signal amplitude alarm, thermal protection function addition , resolution 1/4096 pitch

c: Unit Model Code

Model Code	A003 D003 G003 H003 J003	A005 D005 G005 H005 J005	A006 D006 G006 H006 J006	A008 D008 G008 H008 J008
Appearance				
Encoder	Made by HEIDENHAIN	Made by RENISHAW	Made by HEIDENHAIN	Made by RENISHAW
Hall Sensor	None	None	Provided	Provided
Thermal Protector	None	None	A006,D006,G006: None H006,J006: Provided	A008,D008,G008: None H008,J008: Provided

d: applicable Linear Servomotor

e: Design of RoHS responses model: -E or blank

If be indicated "-E",

Those models represent RoHS responses model.

In the case of Unit model H or J, all models represent RoHS responses model without -E.



2. Certified model lists

2.1 SGT Series

MODEL DESCRIPTION	Voltage [V]	Phases	Peak Force [N]	Continuous Force [N]	Peak current [A]	Continuous current [A]	Insulation Class
SGT□F1□-□□□□□□□□-0	200	3	86	25	3	0.7	B
SGT□F2□-□□□□□□□□-0	200	3	125	40	2.9	0.8	B
SGT□F3□-□□□□□□□□-0	200	3	220	80	4.4	1.4	B
SGT□F4□-□□□□□□□□-0	200	3	440	160	8.8	2.8	B
SGT□F7□-□□□□□□□□-0	200	3	600	200	3.2	10.9	B
SGT□F9□-□□□□□□□□-0	200	3	600	280	12.4	5	B
SGT□F5□-□□□□□□□□-0	200	3	1200	400	6.3	21.8	B
SGT□FA□-□□□□□□□□-0	200	3	1200	560	25	10	B
SGT□F6□-□□□□□□□□-0	200	3	1200	400	5.7	19.7	B
SGT□FB□-□□□□□□□□-0	200	3	1200	560	21.6	8.7	B
SGT□F8□-□□□□□□□□-0	200	3	2400	800	11.4	39.3	B
SGT□FC□-□□□□□□□□-0	200	3	2400	1120	43.6	17.5	B
SGT□G1□-□□□□□□□□-0	200	3	140	47	2.4	0.8	B
SGT□GD□-□□□□□□□□-0	200	3					
SGT□G2□-□□□□□□□□-0	200	3	280	93	4.9	1.6	B
SGT□GE□-□□□□□□□□-0	200	3					
SGT□G3□-□□□□□□□□-0	200	3	420	140	7.3	2.4	B
SGT□GF□-□□□□□□□□-0	200	3					
SGT□G4□-□□□□□□□□-0	200	3	220	70	3.5	1.2	B
SGT□GG□-□□□□□□□□-0	200	3					
SGT□G5□-□□□□□□□□-0	200	3	440	140	7	2.2	B
SGT□GH□-□□□□□□□□-0	200	3					
SGT□G6□-□□□□□□□□-0	200	3	660	210	10.5	3.3	B
SGT□GI□-□□□□□□□□-0	200	3					
SGTMM01-010□□□□□□□□	200	3	10	4	1.23	0.34	B
SGTMM01-030□□□□□□□□	200	3	10	4	1.23	0.34	B
SGTMM03-025□□□□□□□□	200	3	25	7	2.06	0.58	B
SGTMM03-065□□□□□□□□	200	3	25	7	2.16	0.58	B
SGTMM06-025□□□□□□□□	200	3	60	15	2.19	0.58	B
SGTMM06-065□□□□□□□□	200	3	60	15	2.31	0.59	B
SGTMF4A-027□□□□□□□□	200	3	270	90	5.1	1.5	B
SGTMF4B-036□□□□□□□□	200	3	360	120	5.1	1.5	B
SGTMF5A-054□□□□□□□□	200	3	540	150	12.2	2.8	B
SGTMF5B-072□□□□□□□□	200	3	720	200	12.2	2.8	B

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2. 2. SGL Series

2. 2. 1 SGLG, SGLF, SGLT Type

MODEL DESCRIPTION	Voltage [V]	Phases	Peak Force [N]	Continuous Force [N]	Peak current [A]	Continuous current [A]	Insulation Class
SGLGW-30A050□□	200	3	40	12.5	1.62	0.51	B
SGLGW-30A080□□	200	3	80	25	2.53	0.79	B
SGLGW-40A140□□	200	3	140	47	2.4	0.8	B
SGLGW-40A253□□	200	3	280	93	4.9	1.6	B
SGLGW-40A365□□	200	3	420	140	7.3	2.4	B
SGLGW-60A140□□	200	3	220	70	3.5	1.2	B
SGLGW-60A253□□	200	3	440	140	7	2.2	B
SGLGW-60A365□□	200	3	660	210	10.5	3.3	B
SGLGW-40A140□□(*1)	200	3	230	57	3.2	0.8	B
SGLGW-40A253□□(*1)	200	3	460	114	6.5	1.6	B
SGLGW-40A365□□(*1)	200	3	690	171	9.7	2.4	B
SGLGW-60A140□□(*1)	200	3	360	85	5	1.2	B
SGLGW-60A253□□(*1)	200	3	720	170	10	2.2	B
SGLGW-60A365□□(*1)	200	3	1080	255	15	3.3	B
SGLGW-90A200□□	200	3	1300	325	17.6	4.4	B
SGLGW-90A370□□	200	3	2200	550	30	7.5	B
SGLGW-90A535□□	200	3	3000	750	40.8	10.2	B
SGLFW-20A090□□	200	3	86	25	3	0.7	B
SGLFW-20A120□□	200	3	125	40	2.9	0.8	B
SGLFW-35A120□□	200	3	220	80	4.4	1.4	B
SGLFW-35A230□□	200	3	440	160	8.8	2.8	B
SGLFW-50A200□□	200	3	600	280	12.4	5	B
SGLFW-50A380□□	200	3	1200	560	25	10	B
SGLFW-1ZA200□□	200	3	1200	560	21.6	8.7	B
SGLFW-1ZA380□□	200	3	2400	1120	43.6	17.5	B
SGLFW-35D120□□	400	3	220	80	2.3	0.7	B
SGLFW-35D230□□	400	3	440	160	4.6	1.3	B
SGLFW-50D200□□	400	3	600	280	5.6	2.3	B
SGLFW-50D380□□	400	3	1200	560	11	4.5	B
SGLFW-1ZD200□□	400	3	1200	560	12.3	4.9	B
SGLFW-1ZD380□□	400	3	2400	1120	24.6	9.8	B
SGLTW-20A170□□	200	3	380	130	7.7	2.3	B
SGLTW-20A320□□	200	3	760	250	15.4	4.4	B
SGLTW-20A460□□	200	3	1140	380	23.2	6.7	B
SGLTW-35A170□□	200	3	660	220	12.1	3.5	B
SGLTW-35A320□□	200	3	1320	440	24.2	7	B
SGLTW-35A460□□	200	3	2000	670	36.7	10.7	B
SGLTW-35A170□□(*2)	200	3	600	300	11.9	5.1	B
SGLTW-35A320□□(*2)	200	3	1200	600	23.9	10.1	B
SGLTW-40A400□□	200	3	2600	670	39.4	7.3	B
SGLTW-40A600□□	200	3	4000	1000	60.6	10.9	B
SGLTW-50A170□□(*2)	200	3	900	450	11.5	4.9	B
SGLTW-50A320□□(*2)	200	3	1800	900	22.9	9.8	B
SGLTW-80A400□□	200	3	5000	1300	57.9	11.1	B
SGLTW-80A600□□	200	3	7500	2000	86.9	17.1	B
SGLTW-35D170□□(*2)	200	3	600	300	7.7	3.2	B
SGLTW-35D320□□(*2)	400	3	1200	600	15.5	6.5	B
SGLTW-40D400□□	400	3	2600	670	20.7	3.7	B
SGLTW-40D600□□	400	3	4000	1000	30.6	5.5	B
SGLTW-50D170□□(*2)	400	3	900	450	7.4	3.2	B
SGLTW-50D320□□(*2)	400	3	1800	900	14.8	6.3	B
SGLTW-80D400□□	400	3	5000	1300	37.6	7.2	B
SGLTW-80D600□□	400	3	7500	2000	56.4	11.1	B

(*1) With high thrust force magnet tracks

(*2) High-efficiency Type



Product Service

2.2.2 SGLC TYPE

MODEL DESCRIPTION	Voltage [V]	Phases	Peak Force [N]	Continuous Force [N]	Peak current [A]	Continuous current [A]	Insulation Class
SGLCW-D16A085□□	200	3	60	17	2.07	0.59	B
SGLCW-D16A115□□	200	3	90	25	2.07	0.58	B
SGLCW-D16A145□□	200	3	120	34	2.52	0.71	B
SGLCW-D20A100□□	200	3	150	30	4.9	0.98	B
SGLCW-D20A135□□	200	3	225	45	4.9	0.98	B
SGLCW-D20A170□□	200	3	300	60	5.95	1.19	B
SGLCW-D25A125□□	200	3	280	70	5.68	1.42	B
SGLCW-D25A170□□	200	3	420	105	6.48	1.75	B
SGLCW-D25A215□□	200	3	560	140	13.97	3.49	B
SGLCW-D32A165□□	200	3	420	90	7.32	1.57	B
SGLCW-D32A225□□	200	3	630	135	13.01	2.79	B
SGLCW-D32A285□□	200	3	840	180	13.01	2.79	B

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2.2.3 SGLFW□2 TYPE

MODEL DESCRIPTION	Voltage [V]	Phases	Peak Force [N]	Continuous Force [N]	Peak current [A]	Continuous current [A]	Insulation Class
SGLFW2-30A070□□1□	200	3	135	45	5.3	1.4	B
SGLFW2-30A120□□1□	200	3	270	90	5.2	1.5	B
SGLFW2-30A230□□1□	200	3	540	180	10.5	2.9	B
SGLFW2-45A200□□1□	200	3	840	280	16.4	4.4	B
SGLFW2-45A380□□1□	200	3	1680	560	32.7	8.7	B
SGLFW2-90A200□□1□	200	3	1680	560	26.9	7.2	B
SGLFW2-90A380□□1□	200	3	3360	1120	53.9	14.4	B
SGLFW2-90A560□□1□	200	3	5040	1680	80.8	21.6	B
SGLFW2-1DA380□□1□	200	3	5040	1680	53.9	14.4	B
SGLFW2-1DA560□□1□	200	3	7560	2520	80.8	21.6	B
SGLFW2-30D070□□1□	400	3	135	45	5.3	1.4	B
SGLFW2-30D120□□1□	400	3	270	90	5.2	1.5	B
SGLFW2-30D230□□1□	400	3	540	180	5.2	1.5	B
SGLFW2-45D200□□1□	400	3	840	280	8.1	2.2	B
SGLFW2-45D380□□1□	400	3	1680	560	16.2	4.3	B
SGLFW2-90D200□□1□	400	3	1680	560	14.0	3.8	B
SGLFW2-90D380□□1□	400	3	3360	1120	28.0	7.7	B
SGLFW2-90D560□□1□	400	3	5040	1680	42.0	11.5	B
SGLFW2-1DD380□□1□	400	3	5040	1680	39.7	10.9	B
SGLFW2-1DD560□□1□	400	3	7560	2520	59.6	16.3	B
SGLFW2-90A200□□L□	200	3	1680	896	26.9	11.5	B
SGLFW2-90A380□□L□	200	3	3360	1792	53.9	23.0	B
SGLFW2-90A560□□L□	200	3	5040	2688	80.8	34.5	B
SGLFW2-1DA380□□L□	200	3	5040	2688	53.9	23.0	B
SGLFW2-1DA560□□L□	200	3	7560	4032	80.8	34.5	B
SGLFW2-90D200□□L□	400	3	1680	896	14.0	6.1	B
SGLFW2-90D380□□L□	400	3	3360	1792	28.0	12.2	B
SGLFW2-90D560□□L□	400	3	5040	2688	42.0	18.4	B
SGLFW2-1DD380□□L□	400	3	5040	2688	39.7	17.4	B
SGLFW2-1DD560□□L□	400	3	7560	4032	59.6	26.1	B

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Product Service

2. 3 JZDP Series

MODEL DESCRIPTION	Characteristics			
JZDP-A003-□□□ JZDP-D003-□□□-□	Power Supply Voltage : +5.0VDC±5% ripple content5%max. Current Consumption : 120mA Typ. 350mA max. Signal RESOLUTION : Input 2-phase sine wave:1/256 pitch MAX. Response Frequency : 250kHz			
JZDP-A005-□□□ JZDP-D005-□□□-□				
JZDP-A006-□□□ JZDP-D006-□□□-□				
JZDP-A008-□□□ JZDP-D008-□□□-□				
JZDP-G003-□□□-□ JZDP-G005-□□□-□		Power Supply Voltage : +5.0VDC±5% ripple content5%max. Current Consumption : 120mA Typ. 350mA max. Signal RESOLUTION : Input 2-phase sine wave:1/4096 pitch MAX. Response Frequency : 100kHz		
JZDP-G006-□□□-□ JZDP-G008-□□□-□				
JZDP-H003-□□□ JZDP-H005-□□□			Power Supply Voltage : +5.0VDC±5% ripple content5%max. Current Consumption : 120mA Typ. 160mA max. Signal RESOLUTION : Input 2-phase sine wave:1/256 pitch MAX. Response Frequency : 250kHz	
JZDP-H006-□□□ JZDP-H008-□□□				
JZDP-J003-□□□ JZDP-J005-□□□	Power Supply Voltage : +5.0VDC±5% ripple content5%max. Current Consumption : 120mA Typ. 160mA max. Signal RESOLUTION : Input 2-phase sine wave:1/4096 pitch MAX. Response Frequency : 100kHz			
JZDP-J006-□□□ JZDP-J008-□□□				

LIST OF OSCILLATOR

MODEL DESCRIPTION	Oscillator TYPE	FREQ	MAKER
JZDP-A□□□-□□□	SG-8002JC	48MHz	SEIKO - EPSON
JZDP-D□□□-□□□ JZDP-D□□□-□□□-□	FA-365	24MHz	SEIKO - EPSON
JZDP-G□□□-□□□ JZDP-G□□□-□□□-□	NX3225	24MHz	NDK
JZDP-H□□□-□□□ JZDP-H□□□-□□□-□	NX3225	24MHz	NDK
JZDP-J□□□-□□□ JZDP-J□□□-□□□-□	NX3225	24MHz	NDK