

SUNON

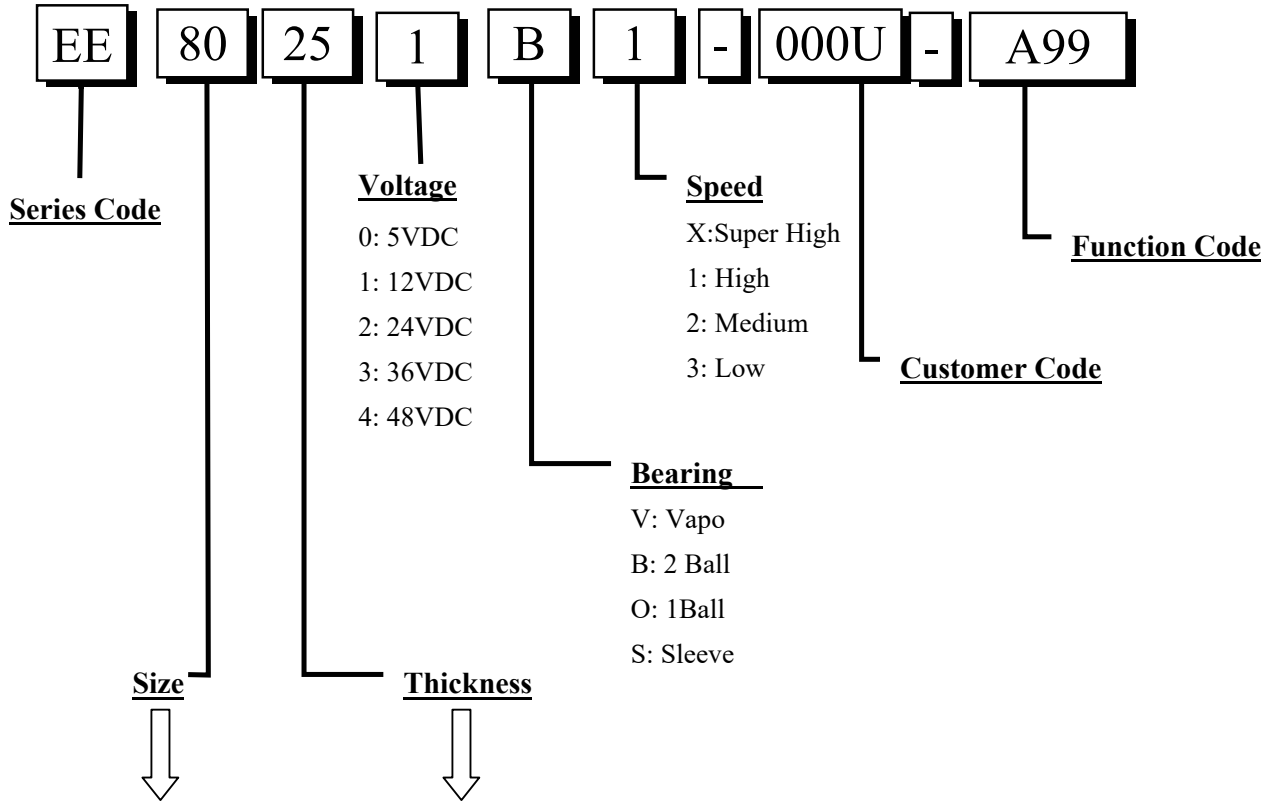
SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : DC BRUSHLESS FAN
DIMENSIONS : 80X80X25 mm
M O D E L : EE80251B1-000U-A99
SUNON SPEC. NO. : D08038120G-00
CUSTOMER :
APPROVAL NO. :
APPROVED BY :
CUSTOMER :
(AUTHORIZED)

DRAWN	Jeff 11/01	CHECKED	March Kiddy	APPROVED	Kelly	SPEC.NO	D08038120G-00
						ISSUE DATE	09. 24. 2009
						EDITION	4
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I. MODEL NUMBERING SYSTEM



編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)
01~09	01~09	A0~A9	100~109	K0~K9	200~209	V0~V9	300~309
10~19	10~19	B0~B9	110~119	L0~L9	210~219	W0~W9	310~319
20~29	20~29	C0~C9	120~129	M0~M9	220~229	X0~X9	320~329
30~39	30~39	D0~D9	130~139	N0~N9	230~239	Y0~Y9	330~339
40~49	40~49	E0~E9	140~149	P0~P9	240~249	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	250~259		
60~69	60~69	G0~G9	160~169	R0~R9	260~269		
70~79	70~79	H0~H9	170~179	S0~S9	270~279		
80~89	80~89	I0~I9	180~189	T0~T9	280~289		
90~99	90~99	J0~J9	190~199	U0~U9	290~299		

II. SPECIFICATION

1. MECHANICAL CHARACTERISTIC

MOTOR DESIGN	2 phases, 4-poles Brushless DC motor
BEARING SYSTEM	Precision ball bearing system
DIMENSIONS	See Page 6
MATERIALS OF FRAME	Thermoplastic PBT of UL 94V-0
MATERIALS OF FAN BLADE	Thermoplastic PBT of UL 94V-0
DIRECTION OF ROTATION	Counter-clockwise viewed from front of fan blade
MOUNTING HOLES	Diameter 4.3 mm in 8 holes
WEIGHT	75 g

2. ELECTRIC CHARACTERISTIC

RATED VOLTAGE	12 VDC
RATED CURRENT	145 mA / Max. 167 mA
RATED POWER CONSUMPTION	1.7 WATTS / Max. 2.0 WATTS
OPERATING VOLTAGE RANGE	4.5~13.8 VDC
STARTING VOLTAGE	4.5 VDC (25 deg. C POWER ON/OFF)
OPERATING TEMPERATURE RANGE	-10 to + 70 deg. C
STORAGE TEMPERATURE RANGE	-40 to + 80 deg. C

3. PERFORMANCE CHARACTERISTIC

RATED SPEED	3200 RPM $\pm$ 10% at rated voltage
AIR FLOW	41 CFM
STATIC PRESSURE	0.18 Inch-H₂O
ACOUSTIC NOISE	33 dB(A)
AIR FLOW V.S. PRESSURE	See Page 5
INSULATION CLASS	UL Class A
INSULATION RESISTANCE PLASTIC HOUSING	10M ohm at 500 VDC between internal stator and lead wire (+)
DIELECTRIC STRENGTH	Applied AC 500 V for one minute or AC 600 V for 2 Seconds between housing and lead wire (+)
LIFE EXPECTANCY	70,000 Hours at 40 deg. C, 65% humidity, 90% CL.
PROTECTION	☒ Automatic Restart Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.
	☐ Polarity Protection

4. SAFETY

SAFETY	UL	CUR	TUV	CE
NO.	E77551	E77551	✓	✓