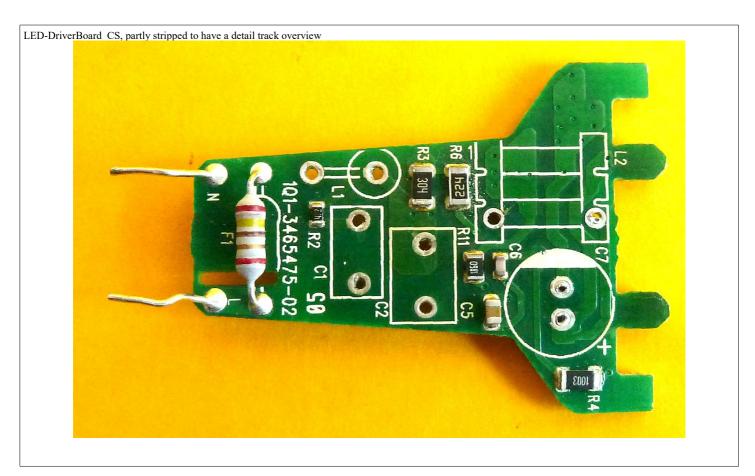
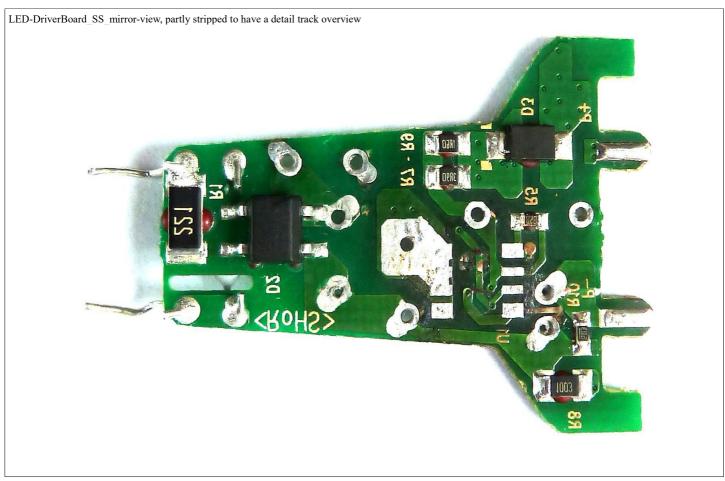
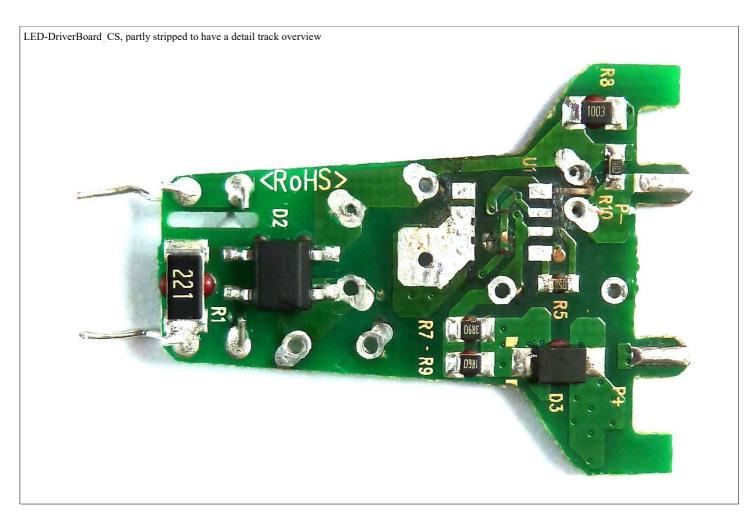
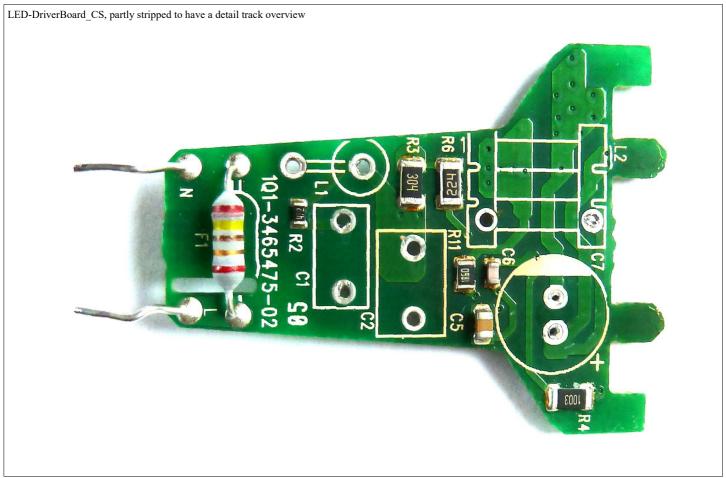


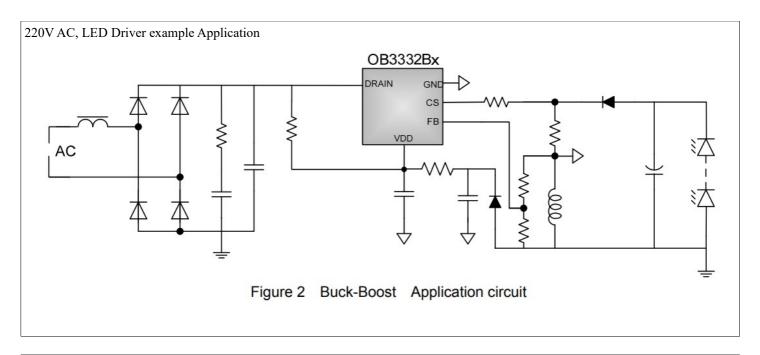
Osram Type: AC07995 220-10V AC Dim 5,6W 32mA 350lm 36-Grad









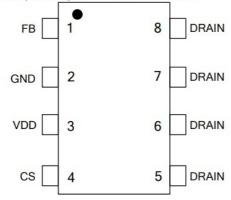


Data sheet Info:

GENERAL INFORMATION

Pin Configuration

The pin map is shown as below.



Ordering Information

Part Number	Description
ОВ3332ВМСР-Н	8 Pin SOP, Halogen-free in Tube
ОВ3332ВМСРА-Н	8 Pin SOP , Halogen-free in T&R
OB3332BNCP-H	8 Pin SOP, Halogen-free in Tube
ОВ3332ВNСРА-Н	8 Pin SOP , Halogen-free in T&R
OB3332BPCP-J	8 Pin SOP, Halogen-free in Tube
OB3332BPCPA-J	8 Pin SOP , Halogen-free in T&R
OB3332BRCP-H	8 Pin SOP, Halogen-free in Tube
OB3332BRCPA-H	8 Pin SOP , Halogen-free in T&R

Absolute Maximum Ratings

Parameter		Value
VDD Voltag	е	-0.3 to 20V
CS Input Vo	ltage	-0.3 to 7V
FB Input Vo	ltage	-0.3 to 7V
	OB3332BPCP-J	-0.3 to 500V
DRAIN Voltage	OB3332BMCP-H OB3332BNCP-H OB3332BRCP-H	-0.3 to 650V
Min/Max C Temperature	Operating Junction e T _J	-40 to 150 ℃
Operating Temperature	Ambient e T _A	-40 to 85 ℃
Min/Max St T _{stq}	orage Temperature	-55 to 150 ℃
	erature (Soldering,	260 ℃

Note: Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute maximum-rated conditions for extended periods may affect device reliability.

Output Power Table

Product	Condition	175Vac~264Vac Input
ОВ3332ВМСР-Н	lo≤80mA	10W
OB3332BNCP-H	lo≤105mA	12W
OB3332BPCP-J	lo≤180mA	17.6W

Data sheet Info:

TERMINAL ASSIGNMENTS

Pin Num	Pin Name	I/O	Description
1	FB	I/O	The voltage feedback from output. Connected to resistor divider from output voltage.
2	GND	Р	Power Ground.
3	VDD	Р	Power supply input.
4	CS	I/O	Current sensing terminal.
5,6,7,8	DRAIN	I/O	Drain of power MOSFET.

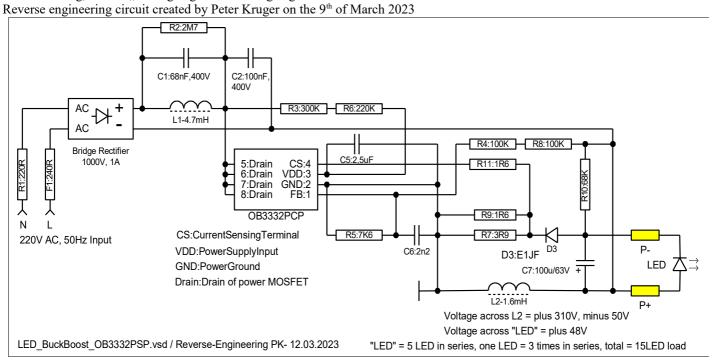
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Datasheet OB_DOC_DS_3332BxA4

- 3 -

220V AC, Osram GU10 LED Bulb Dimmable Spotlight 2700 K Warm White 4.9 W, Replaces 50 Watt Halogen Bulb Betr. Dimming, nur für "trailing edge controller" geeignet!



https://datasheet.lcsc.com/szlcsc/2004180932_OB-On-Bright-Elec-OB3332BPCPA-J_C507642.pdf

OB3332Bx is a TRIAC dimmable high power factor, highly integrated buck/buck-boost regulator with advanced features to provide high efficiency control and high precision constant current output for flicker free dimmable LED lighting applications.

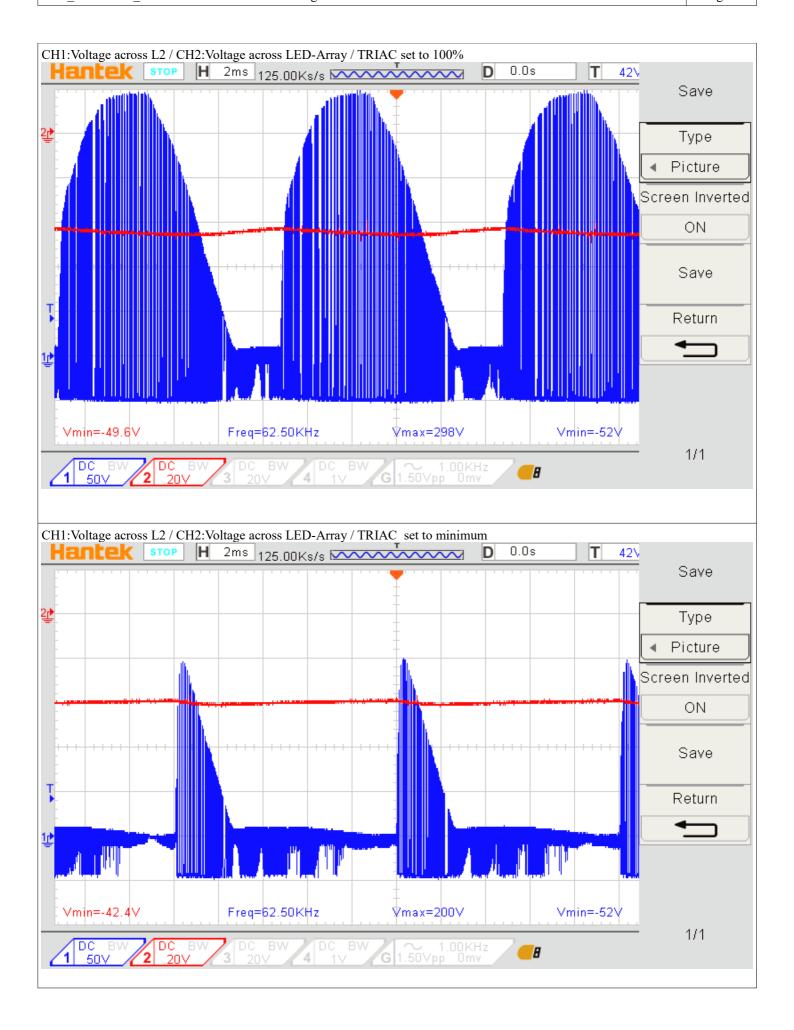
The proprietary CC control scheme is used to:

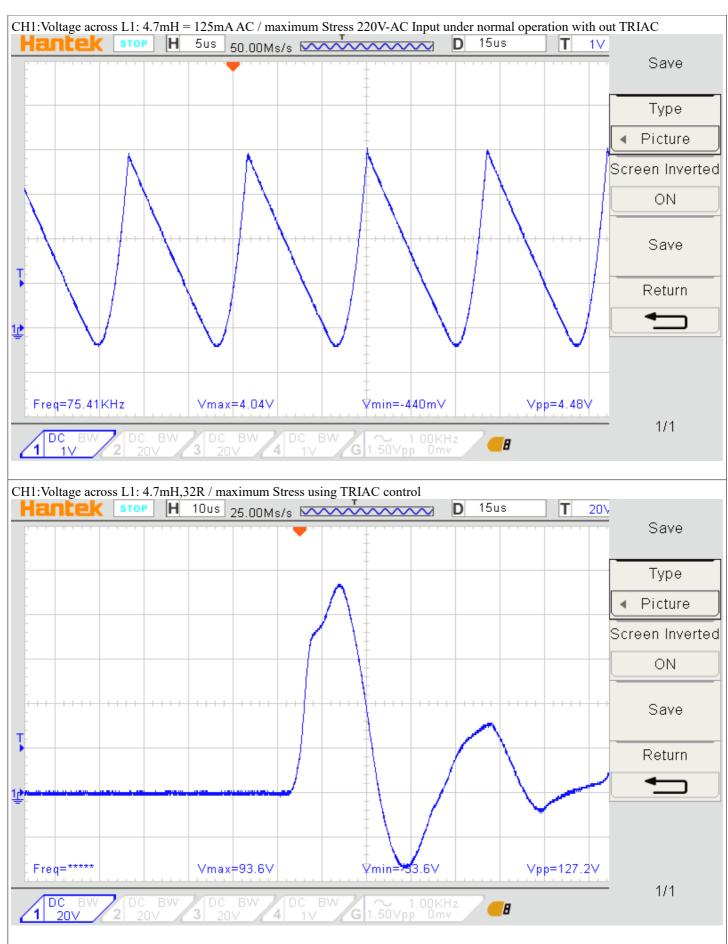
Excellent TRIAC dimming performance, Low system cost and high efficiency

High PF (PF>0.9) @175~264Vac input, Support buck/buck-boost topology

High precision constant current regulation at universal AC input

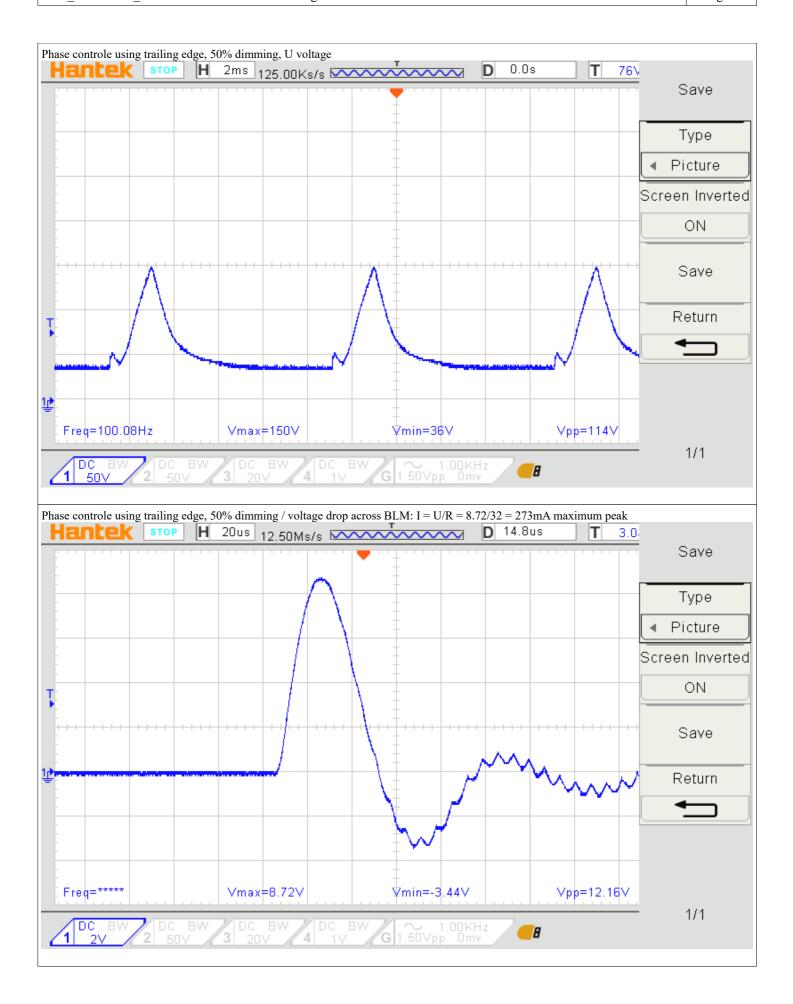
AC-Input using Variac: inreasing voltage > 60V, LED-Array turn on / Increasing AC voltage to >110V, LED at full brighness decreasing AC voltage < 110V, dimming start / decreasing Variac voltage to < 10V AC, LED turn off





Blm for TRIAC dimmung use underrated! BLM nominal-current use = 60mA, Peak power load using TRIAC Controle: for > 5us = 2,925A! 220V AC drive input with out TRIAC controle: 125mW BLM axial wire type: 4,3-Dia length-7,5mm

Calculated Power rating: 4.7mH 100mW 32R, I = 57mA continuously



for medical applications.

Die Bezeichnung "BLM", "BL" steht für "Chip Ferrites Beads", "M" steht für "Ferrites Beads Single Typ" Der Bedrahtete BLM Typ "SMCC-472J-YY" entspricht dem bestückten BLM "L1" **Fastron** Group www.fastrongroup.com **SMCC** SRF Inductance fı Tol Q fo DCR Rated DC Part No Current Core ± (%) (MHz) (MHz) (Ω) (MHz) Material L (µH) min (mA) SMCC-R10X-YY 0.10 10.20 45 25.2 380 0.08 1600 Phenolic -magnetic) SMCC-R12X-YY 0.12 10.20 45 25.2 360 0.10 1550 Phenolic 25.2 SMCC-R15X-YY 0.15 10.20 45 340 0.10 1500 Phenolic SMCC-R18X-YY 0.18 10.20 25.2 1480 45 320 0.10 Phenolic SMCC-R22X-YY 0.22 10,20 45 25.2 300 0.10 1450 Phenolic applications (non SMCC-R27X-YY 0.27 Phenolic 10,20 45 25.2 270 0.11 SMCC-R33X-YY 10,20 45 25.2 0.12 1350 0.33 SMCC-R39X-YY 10.20 45 25.2 230 0.13 1300 Phenolic SMCC-R47X-YY 0.47 10.20 25.2 220 0.14 1280 Phenolic 45 SMCC-R56X-YY 0.56 10.20 45 25.2 210 0.15 1240 Phenolic SMCC-R68X-YY 0.68 10.20 45 25.2 200 0.16 1230 Phenolic Medical (Fixed Choke Coils) SMCC-R82X-YY 0.82 25.2 Phenolic 10.20 45 190 0.17 SMCC-1R0X-YY 1.0 5,10,20 45 SMCC-1R2X-YY 5,10,20 50 7.96 1150 1.2 185 0.18 Ferrite SMCC-1R5X-YY 15 50 5,10,20 7.96 165 0.20 1100 SMCC-1R8X-YY 18 5.10.20 55 7.96 155 0.22 1030 Ferrite SMCC-2R2X-YY 2.2 5.10.20 55 7.96 140 0.25 1000 Ferrite 2.7 SMCC-2R7X-YY 5.10.20 60 7.96 125 0.26 940 Ferrite SMCC-3R3X-YY 3.3 5,10,20 60 7.96 115 0.29 900 Ferrite SMCC-3R9X-YY 5.10.20 SMCC-4R7X-YY 4.7 5,10,20 60 7.96 95 0.34 Ferrite SMCC-5R6X-YY 5.6 5.10.20 7.96 0.38 780 SMCC-6R2X-YY 62 5.10.20 85 7.96 75 0.61 670 Ferrite SMCC-6R8X-YY 6.8 5,10,20 65 7.96 75 0.51 670 Ferrite Applications SMCC-8R2X-YY 8.2 5.10.20 65 7.96 50 0.48 690 Ferrite SMCC-100X-YY 10 5,10,20 65 7.96 35 0.49 680 Ferrite SMCC-120X-YY 12 0.02 5,10,20 2.52 30 0.55 Ferrite 15 2.52 SMCC-150X-YY 5,10,20 20 0.6 610 Ferrite Typical Ls vs Frequency (f) SMCC-180X-YY 18 0.02 5,10,20 50 2.52 17 0.67 580 Ferrite SMCC-200X-YY 20 0.02 5,10,20 50 2.52 13 0.74 560 Ferrite 22 2.52 SMCC-220X-YY 0.02 5.10.20 50 13 0.74 560 Ferrite Inductors / Medical SMCC-270X-YY 100 27 0.02 5,10,20 55 2.52 10 0.83 530 Ferrite SMCC-300X-YY 0.02 5,10,20 55 2.52 9.00 0.92 500 Ferrite SMCC-330X-YY 33 0.02 5,10,20 2.52 9.00 0.92 500 Ferrite SMCC-390X-YY 39 0.02 5,10,20 2.52 1.02 55 8.00 470 Ferrite SMCC-470X-YY 47 0.02 5.10.20 40 2.52 7.50 450 Ferrite SMCC-560X-YY 56 0.02 5,10,20 40 2.52 7.00 1.23 430 Ferrite Frequency (MHz) SMCC-680X-YY 68 0.02 5.10.20 40 2.52 6.50 1.35 410 Ferrite SMCC-820X-YY 1.54 Typical Q vs Frequency (f) 0.02 5,10,20 35 2.52 6.00 390 Ferrite 370 SMCC-101X-YY 0.02 5,10,20 30 2.52 5.00 1.70 Ferrite 120 5,10,20 0.79 4.50 Ferrite SMCC-131X-YY 130 5,10,20 70 0.79 4.20 2.80 0.02 280 Ferrite SMCC-151X-YY 150 5,10,20 70 Ferrite 0.02 0.79 4.20 2.80 SMCC-161X-YY 160 0.02 5.10.20 70 0.79 3.90 3.00 270 Ferrite SMCC-181X-YY 180 70 0.79 0.02 5.10.20 3.90 3.00 270 Ferrite 200 SMCC-201X-YY 0.02 5.10.20 70 0.79 3.70 3.30 250 Ferrite SMCC-221X-YY 5,10,20 70 0.79 3.70 3.30 220 0.02 250 Ferrite SMCC-271X-YY 270 5,10,20 70 0.79 5.70 Ferrite 0.1 1 10 Frequency (MHz) 280 Ferrite SMCC-281X-Y 0.02 5,10,20 0.79 2.80 SMCC-331X-YY 330 5,10,20 70 0.79 6.40 190 Ferrite 0.02 2.70 Typical Ls vs Current (I) 350 SMCC-351X-YY 0.02 5,10,20 70 0.79 2.40 6.40 180 Ferrite 390 SMCC-391X-YY 0.02 5.10.20 70 0.79 2.40 7.00 180 Ferrite 470 SMCC-471X-YY 0.02 5.10.20 70 0.79 2.20 7.90 170 Ferrite SMCC-561X-YY 100 560 5,10,20 60 0.02 0.79 2.00 8.80 160 Ferrite 680 SMCC-681X-YY 5.10.20 0.79 1.90 10.0 Ferrite 0.79 140 SMCC-821X-YY 0.02 5.10.20 1.60 12.0 Ferrite SMCC-102X-YY 1000 0.02 5,10,20 50 0.79 14.0 130 Ferrite 1.60 1200 SMCC-122X-YY 0.02 5.10.20 50 0.25 1.30 16.9 120 Ferrite 1500 0.25 0.001 0.01 0.1 SMCC-152X-YY 0.02 5.10.20 40 1.25 21.6 100 Ferrite SMCC-182X-YY 1800 0.25 Ferrite 0.02 5,10,20 40 1.20 24.0 95 SPQ: SMCC-202X-YY 2000 0.02 5,10,20 40 0.25 1.10 32.1 Ferrite 80 Packing Form Taped / Reel SMCC-222X-YY 2200 0.02 5,10,20 0.25 1.10 Ferrite Axial 3500 [-01] SMCC-272X-YY 2700 0.02 5,10,20 40 0.25 1.00 40.0 75 Ferrite Radia SMCC-332X-YY 3300 0.02 5,10,20 0.90 59.5 40 0.25 Ferrite SMCC-352X-YY 3500 0.02 5,10,20 40 0.25 0.70 59.5 59 Ferrite Taped / Ammo pack SMCC-392X-YY 3900 0.02 5.10.20 0.25 59 40 0.80 66.0 Ferrite 1200 [-02] 4700 SMCC-472X-YY 5.10.20 0.25 Radial 2500 [-32] 0.02 40 0.70 74.0 55 Ferrite 40 SMCC-502X-YY 5000 0.02 5.10.20 30 0.25 0.55 70.0 Ferrite 5600 40 Remarks: SMCC-562X-YY 5,10,20 0.25 70.0 - Difference of SMCC and SMCC/N is that SMCC-682X-YY 6800 0.02 5,10,20 30 0.25 0.50 95.0 35 Ferrite for SMCC/N fL = fQ SMCC-812X-YY 8100 0.02 5,10,20 30 95.0 30 Ferrite 0.25 0.40 SMCC-R10X to SMCC-R82X are suitable SMCC-822X-YY 8200 0.02 5.10.20 0.25 0.40 95.0 30 Ferrite

SMCC-103X-YY

. Bold figure for Tol% is standard

0.02

5.10.20

All dimensions in mm

0.10

0.35

115.0

Ferrite

Revision date: 08 Feb 2021