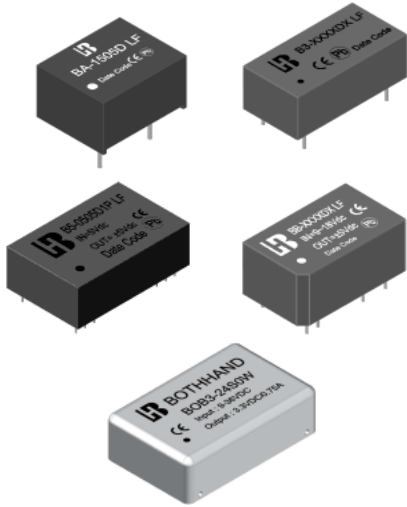




- Ⓢ Input Voltage Range: 5V, 12V, 24V, 9-36V and 18-36V
- Ⓢ Output Voltage Range: 3.3V to 12V, Single and Dual (+/-Vout)
- Ⓢ Power Level: 1W to 3W
- Ⓢ Isolation: 1kVdc, 1.5kVdc and 3kVdc
- Ⓢ Efficiency : up to 79% , no heatsinks required
- Ⓢ Operating Temperature Range: -40°C to +85°C
- Ⓢ Additional Features:
 - Ⓢ IEC/EN 62368-1 Approved
 - Ⓢ Low Ripple and Noise,
 - Ⓢ Thermal Shut-Down

Electrical Specification @ 25°C (For BA 1K Vdc Isolation Op:-40°C to +85°C)

Model Number	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @No Load (mA) Typ.	Input Current @Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%)Typ.
BA-0505D1 LF	5	5	200	30	253	60	± 8	79

Electrical Specification @ 25°C (For B3 1K Vdc Isolation Op:-40°C to +85°C)

Model Number	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @No Load (mA) Typ.	Input Current @Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%)Typ.
B3-2405DS LF	24	5	400	8	105	60	± 8	79

Electrical Specification @ 25°C (For B5 1K Vdc Isolation Op:-40°C to +85°C)

Model Number	Input Voltage Range (V)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @No Load (mA) Typ.	Input Current @Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%)Typ.
B5-0505S2P LF	4.5-5.5 Nominal:5	5	400	45	615	70	± 0.5	65
B5-1212S2P LF	10.8-13.2 Nominal:12	12	167	18	245	100	± 0.5	68

Electrical Specification @ 25°C (For BB 1K Vdc Isolation Op:-25°C to +71°C)

Model Number	Input Voltage Range (V)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @No Load (mA) Typ.	Input Current @Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%)Typ.
BB-2405S2 LF	18-36 Nominal:24	5	400	4	113	50	± 0.5	74



Electrical Specification @ 25°C (For BC 3K Vdc Isolation Op:-40°C to +85°C)

Model Number	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @No Load (mA) Typ.	Input Current @Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%)Typ.
BC-0505S3HMLF	5	5	600	50	938	70	± 0.5	64

Electrical Specification @ 25°C (For BOB3 1.5K Vdc Isolation Op: -40°C to +85°C)

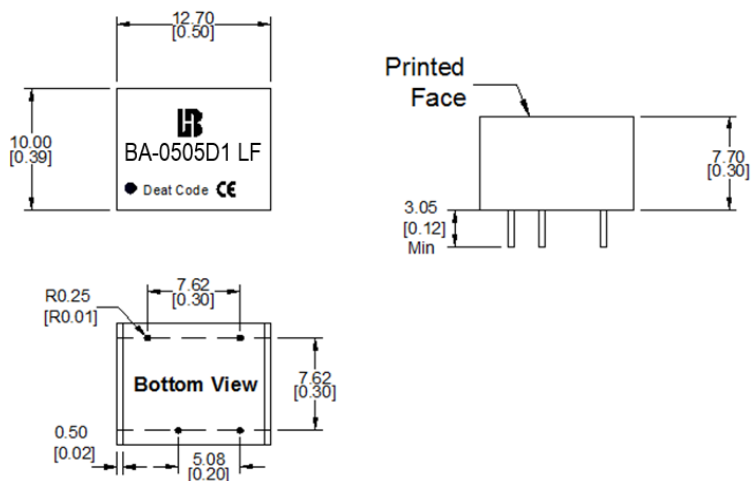
Model Number	Input Voltage Range(V)	Output Voltage (V)	Output Current (mA)		Input Current (mA)		Eff. (%)	Capacitive Load, max. (uF)
			Min. Load	Full Load	No Load	Full Load		
BOB3-24S0W	9-36 Nominal: 24	3.3	15	750	6	138	75	1000

Process and Materials

- Storage Temperature: -55°C to +125°C
- Compliance to J-STD:
 - J-STD-002: Solderability of Dipping at 255~260°C
 - J-STD-020: Moisture Sensitive Level 1
- All parts are packaged in tubes - see pages 5 and 6 for details
- For full electrical characteristics, curves and applications, please refer to the detailed specification sheets available on request
- Lead Frame: Cooper Alloy
 - Underplated: Half Hard Ductile Nickel 40-118" (1.0 -3.0um)
 - Over plated: 100% Tin electro-deposited per 240~400u"Min(6~10um)
 - Finish: Matte finish 100% Tin solder

Mechanical

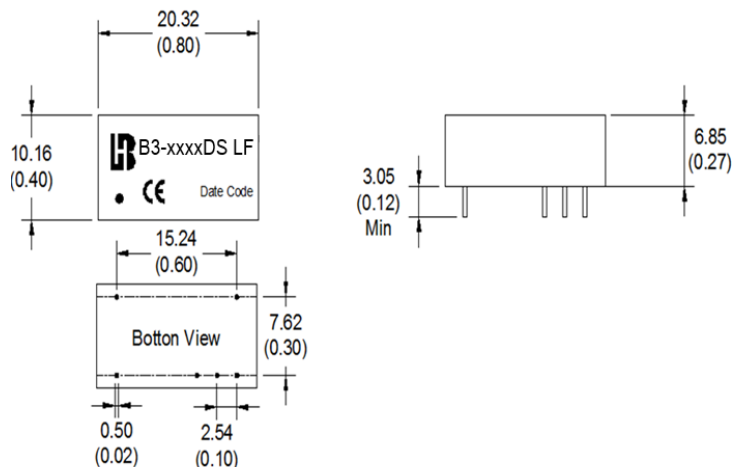
BA



BA-xxxxD1 LF			
PIN	Single		PIN
1	-Vin	No Pin	8
2	No Pin	-Vout	7
3	No Pin	No Pin	6
4	+Vin	+Vout	5

Unit: mm (inch for reference only)
 Pin Section tolerances +/-0.1
 General tolerances +/-0.25

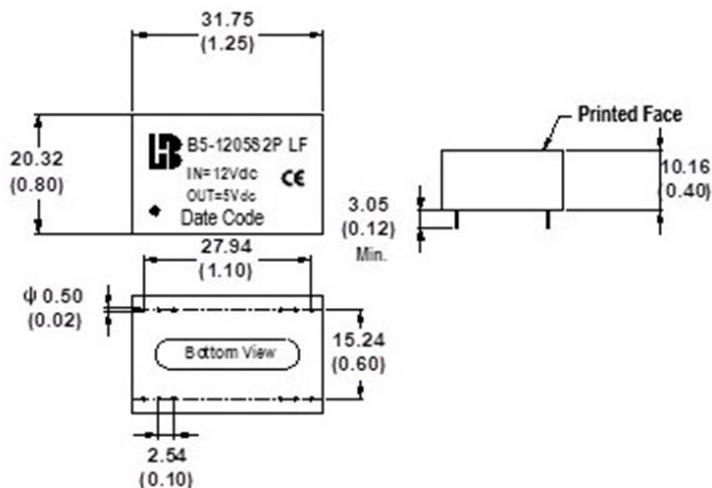
B3-2405DS LF



B3-xxxxDS LF			
PIN	Single		PIN
1	-Vin	+Vin	14
2	No Pin	No Pin	13
3	No Pin	No Pin	12
4	No Pin	-Vout	11
5	No Pin	No Pin	10
6	No Pin	+Vout	9
7	N/C	No Pin	8

Unit: mm (inch for reference only)
 Pin Section tolerances +/-0.1
 General tolerances +/-0.5

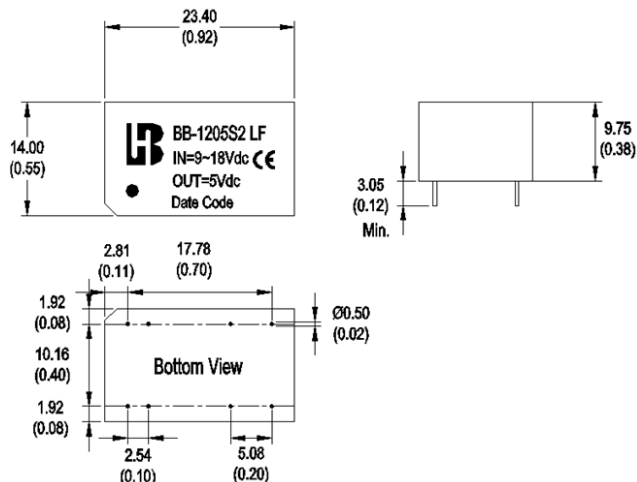
B5



B5-xxxxSxP LF			
PIN	Single		PIN
1	+Vin	+Vin	24
2-3	N/C	N/C	22-23
4-9	No Pin	No Pin	16-21
10	-Vout	-Vout	15
11	+Vout	+Vout	14
12	-Vin	-Vin	13

Unit: mm (inch for reference only)
 Pin Section tolerances +/-0.1
 General tolerances +/-0.5

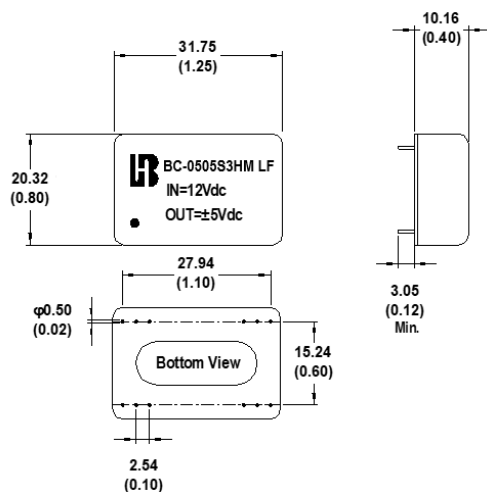
BB



BB-xxxxSx LF			
PIN	Single		PIN
1	-Vin	+Vin	16
2	-Vin	+Vin	15
3	No Pin	No Pin	14
4	No Pin	No Pin	13
5	No Pin	No Pin	12
6	N/C	-Vout	11
7	No Pin	No Pin	10
8	N/C	+Vout	9

Unit: mm (inch for reference only)
Pin Section tolerances +/-0.1
General tolerances +/-0.5

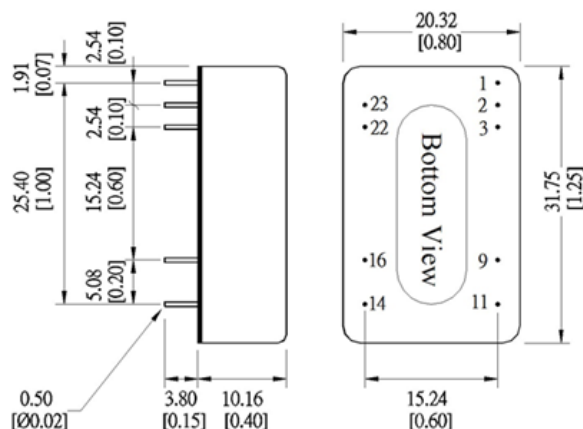
BC



BC-xxxxSxHM LF			
PIN	Single		PIN
1	N/C	N/C	24
2	+Vin	-Vin	23
3~11	No Pin	No Pin	14~22
12	-Vout	+Vout	13

Unit: mm (inch for reference only)
Pin Section tolerances +/-0.1
General tolerances +/-0.5

BOB3W

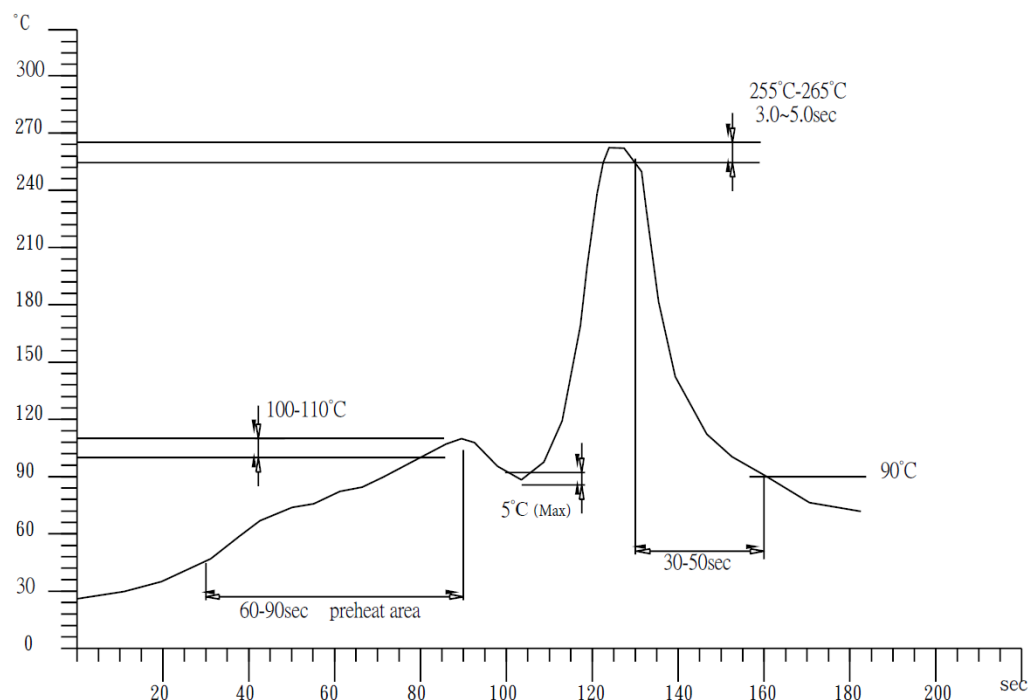


BOB3-xxxxW	
PIN	Single
1	Remote On/Off
2	-Vin
3	-Vin
9	No Pin
11	No function
14	+Vout
16	-Vout
22	+Vin
23	+Vin

Unit: mm (inch for reference only)
Pin Section tolerances +/-0.1
General tolerances +/-0.5

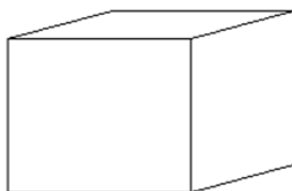
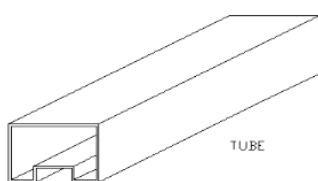


Wave Soldering Temperature Curve

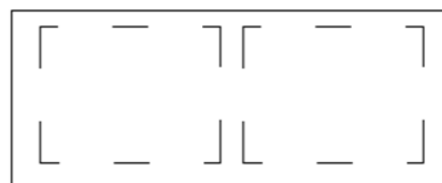


Carton Package

B3-2405DS LF



INNER CARTON: 567*135*125



EXPORT CARTON: 598*287*150

TUBE=25PCS

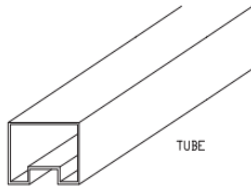
INNER CARTON=50 TUBE=50*25=1250PCS

EXPORT CARTON=2 INNER CARTON=2*1250=2500PCS

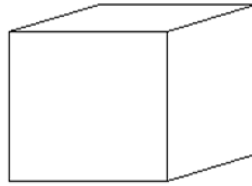
DC-DC Converters (Isolation 1kV, 1.5kV and 3kV) 1W to 3W DIP

B3/B5/BA/BB/BC/BOB3- series

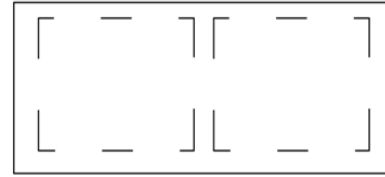
B5/BC/BOB3W



TUBE



INNER CARTON:567*135*125



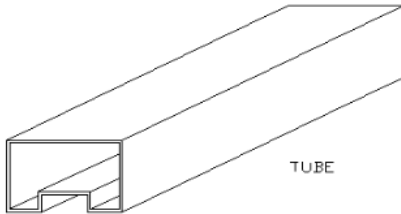
EXPORT CARTON:598*287*150

TUBE=25PCS

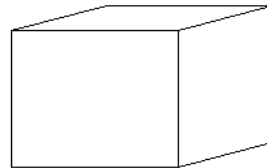
INNER CARTON=50 TUBE=50*25=1250PCS

EXPORT CARTON=2 INNER CARTON=2*1250=2500PCS

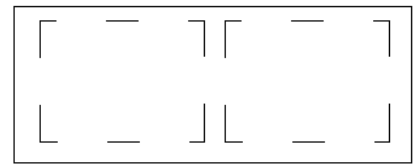
BA



TUBE



INNER CARTON:567*135*125



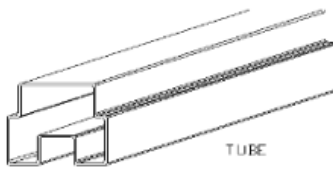
EXPORT CARTON:598*287*150

TUBE=39PCS

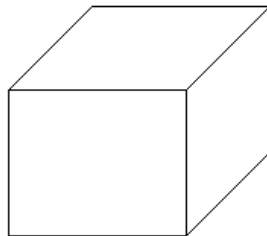
INNER CARTON=50 TUBE=50*39=1950PCS

EXPORT CARTON=2 INNER CARTON=2*1950=3900PCS

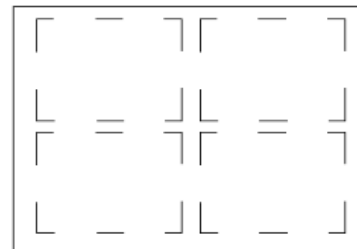
BB



TUBE



INNER CARTON:565*115*117



EXPORT CARTON:580*255*265

TUBE=21PCS

INNER CARTON=25 TUBE=25*21=525PCS

EXPORT CARTON=4 INNER CARTON=4*525=2100PCS

For More Information:

Americas - prodinfo_network_americas@yageo.com | Europe - prodinfo_network_emea@yageo.com | Asia - prodinfo_network_asia@yageo.com

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