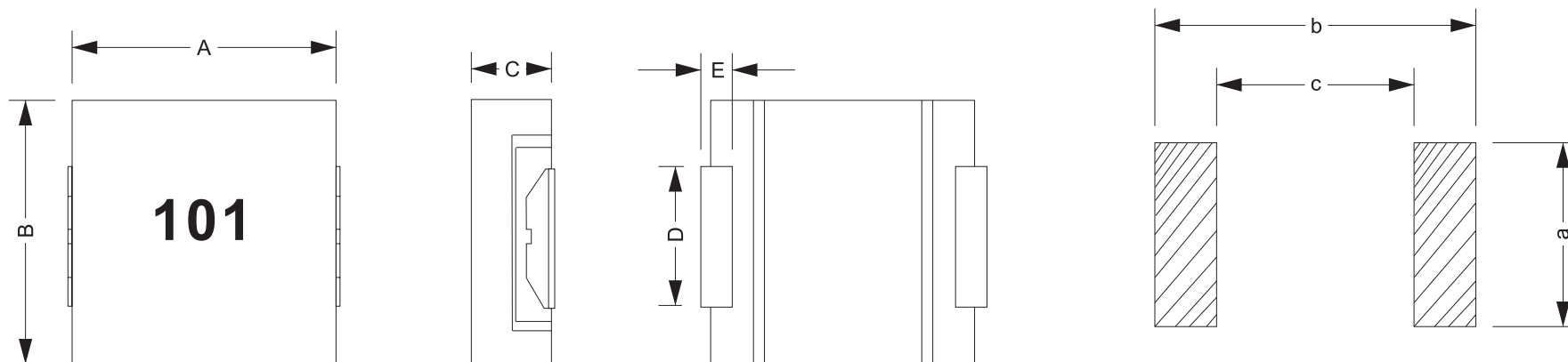


SHAREWAY

PART NO.	TITLE	DRAWN BY	REV.
STB2213AF Seies	HIGH TEMPERATURE SMD INDUCTOR	WAYNE 2026-06-04	A

MECHANICAL:



Type	A	B	C	D	E	a	b	c
STB2213AF	22.5±0.5	22.0±0.5	12.5±0.5	18.5±0.3	5.0±0.5	19.6 Typ.	23.3 Typ.	12.2 Typ.



X.X ±0.20	SHAREWAY TECHNOLOGY CO.,LTD	
X.XX ±0.15		
X.XXX ±0.05	Angles ±1°	Unit: mm
	Scale: N/A	Sheet: 1/6

SHAREWAY

PART NO.	TITLE	DRAWN BY	REV.
STB2213AF Seies	HIGH TEMPERATURE SMD INDUCTOR	WAYNE 2026-06-04	A

Electrical Characteristics:

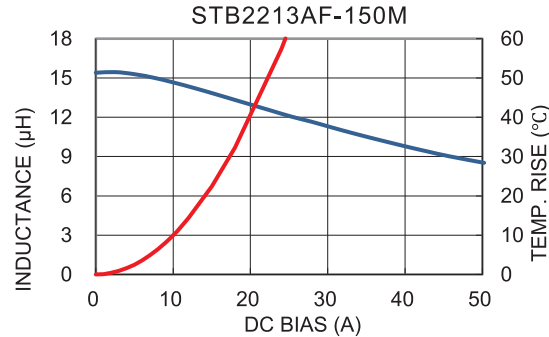
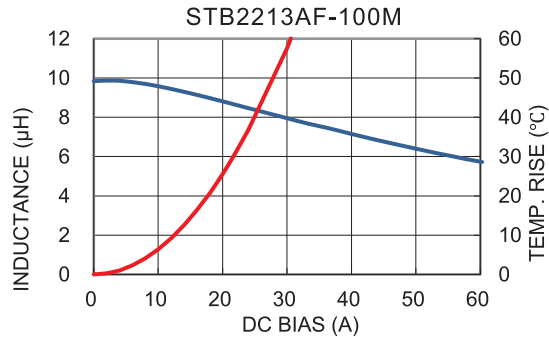
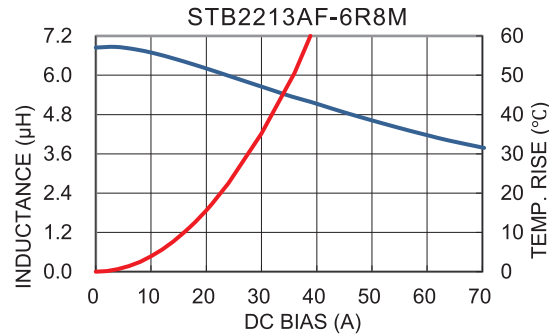
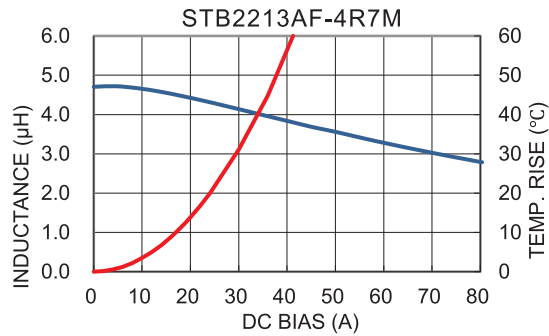
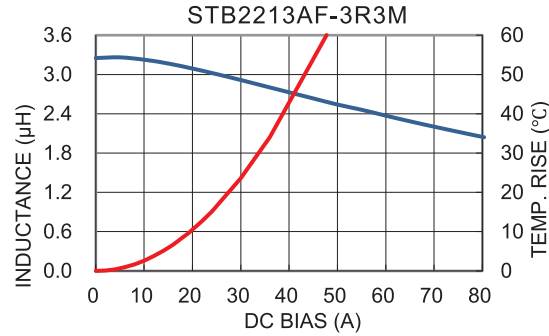
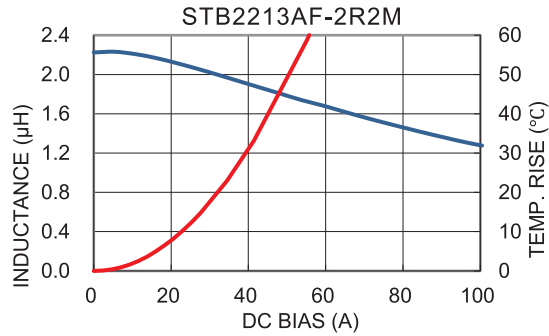
Part No.	Inductance (uH)	DCR (mhom)		Irms (A)		Isat(A)		VDC(V)
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
STB2213AF-2R2M	2.2±20%	1.5	1.8	45.0	40.0	70.0	56.0	100
STB2213AF-3R3M	3.3±20%	1.8	2.1	39.0	34.0	65.0	52.0	100
STB2213AF-4R7M	4.7±20%	2.3	2.7	34.0	30.0	59.0	47.0	100
STB2213AF-6R8M	6.8±20%	3.0	3.5	32.0	28.0	46.0	38.0	100
STB2213AF-100M	10.0±20%	4.3	5.0	25.0	22.0	43.0	35.0	100
STB2213AF-150M	15.0±20%	6.5	7.5	20.0	18.0	32.0	25.0	100
STB2213AF-220M	22.0±20%	8.5	9.8	17.8	15.5	25.0	19.0	100
STB2213AF-330M	33.0±20%	13.8	16.0	14.6	13.0	23.0	18.0	100
STB2213AF-470M	47.0±20%	20.0	23.0	12.2	10.8	20.0	16.0	100
STB2213AF-680M	68.0±20%	27.5	33.0	10.5	9.0	14.0	12.0	100
STB2213AF-820M	82.0±20%	33.0	38.0	9.0	8.0	12.8	10.0	100
STB2213AF-101M	100.0±20%	40.0	48.0	7.8	6.8	11.8	9.3	100



X.X ±0.20	SHAREWAY TECHNOLOGY CO.,LTD	
X.XX ±0.15		
X.XXX ±0.05	Angles ±1°	Unit: mm
	Scale: N/A	Sheet: 2/6

PART NO.	TITLE	DRAWN BY	REV.
STB2213AF Seies	HIGH TEMPERATURE SMD INDUCTOR	WAYNE 2026-06-04	A

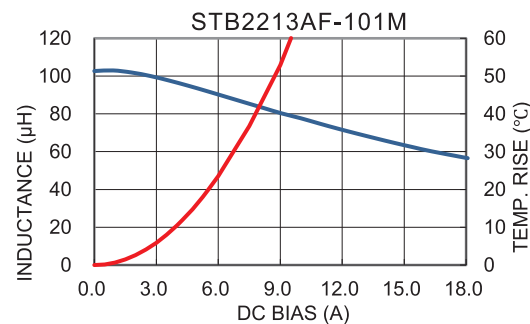
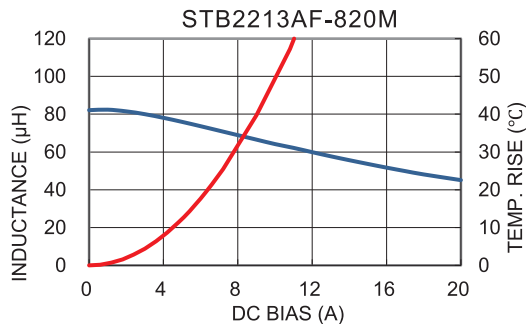
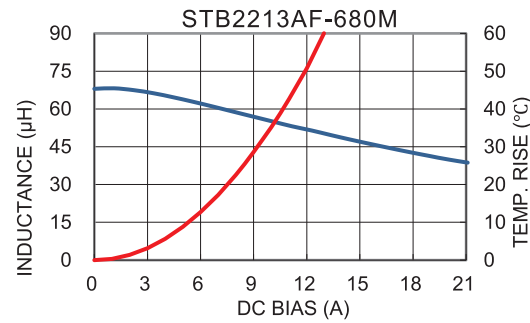
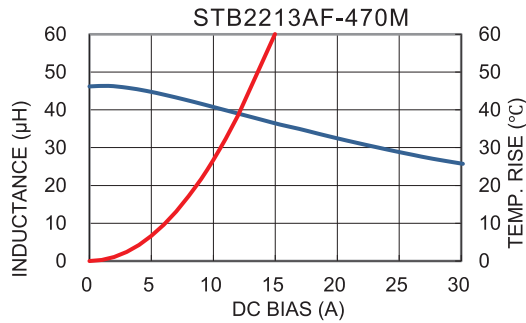
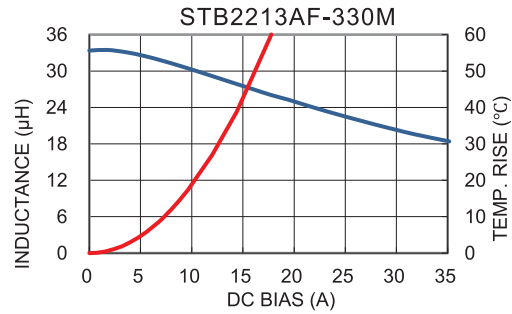
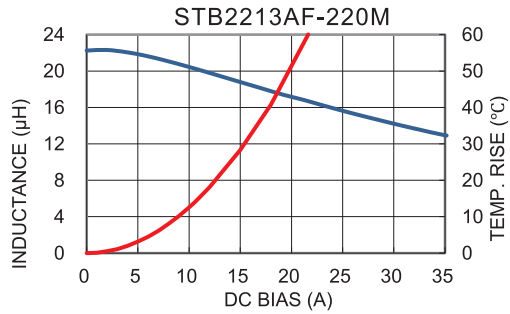
DC BIAS Characteristics:



X.X ±0.20	SHAREWAY TECHNOLOGY CO.,LTD	
X.XX ±0.15		
X.XXX ±0.05	Angles ±1°	Unit: mm
	Scale: N/A	Sheet: 3/6

PART NO.	TITLE	DRAWN BY	REV.
STB2213AF Series	HIGH TEMPERATURE SMD INDUCTOR	WAYNE 2026-06-04	A

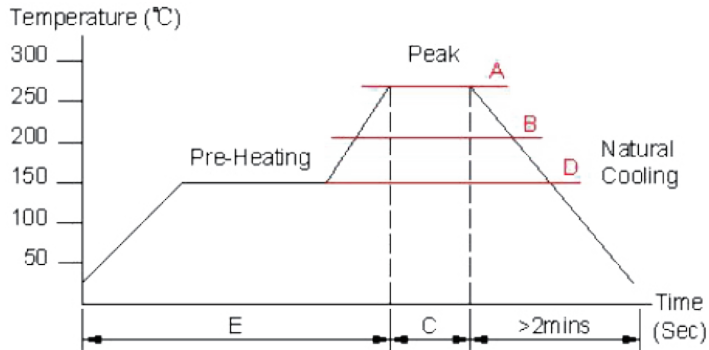
DC BIAS Characteristics:



X.X ±0.20	SHAREWAY TECHNOLOGY CO.,LTD	
X.XX ±0.15		
X.XXX ±0.05	Angles ±1°	Unit: mm
	Scale: N/A	Sheet: 4/6

PART NO.	TITLE	DRAWN BY	REV.
STB2213AF Seies	HIGH TEMPERATURE SMD INDUCTOR	WAYNE 2026-06-04	A

Recommended soldering temp. graph:



A	B	C	D	E
260°C	230°C	8-10Sec	150°C	60~240Sec

Mechanical reliability:

TEST	Specification & Requirement	Method Used
Solderability	The surface of terminal/pin tested shall be covered with new solder by 95%	Solder heat proof.
		Preheating: 180±10°C 90 seconds
		Soldering: 255±5°C for 3±1 sec
Shock	Inductance change within ±5% Without mechanical damage	Drop down with 981m/s ² (100G) shock
		Attitude upon a rubber block method shock testing machinem, 3 tests.
Vibration	Inductance change within ±5% Without mechanical damage	Vibration frequency: 10Hz to 55Hz to 10Hz, 60 seconds cycle
		Vibration time: 2 hours

Endurance reliability:

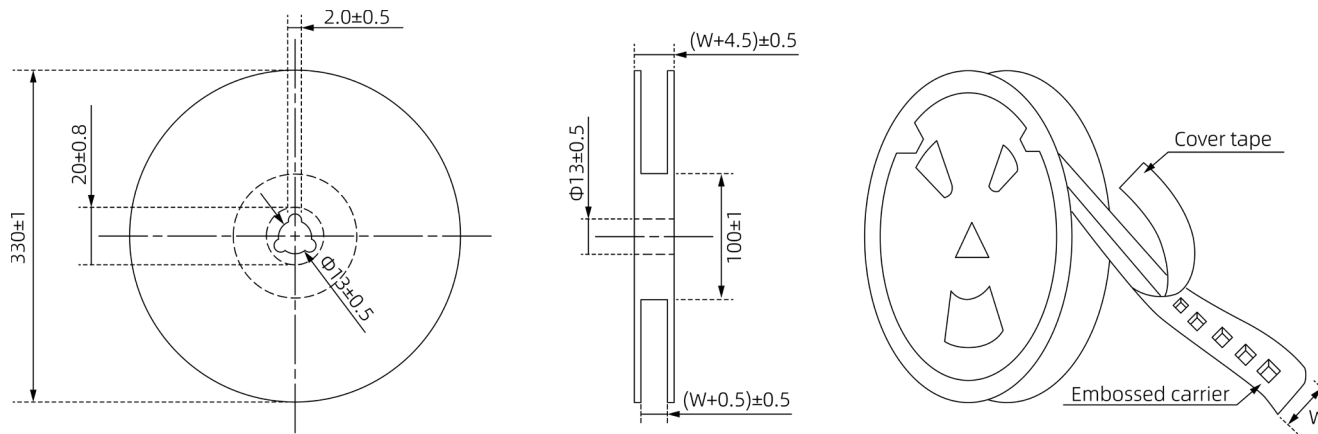
TEST	Specification & Requirement	Method Used
Thermal Shock	Inductance change within ± 5% Without mechanical damage	-25°C, (30 mins) -> room temp. (5 mins) -> 125°C, (30 mins) -> room temp. (5 mins) 100 cycles
Heat Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @ 85°C ambient Duration: 1000 hrs
Humidity Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @ 60°C ambient Humidity: 90~95% Duration: 1000 hrs
Low Temp. Storing	Inductance change within ± 5% Without mechanical damage	Storing Temp. -25±2°C for total 1,000+4/-0 hours
High Temp. Storing	Inductance change within ± 5% Without mechanical damage	Storing Temp. 125±2°C for total 1,000+4/-0 hours



X.X ±0.20	SHAREWAY TECHNOLOGY CO.,LTD	
X.XX ±0.15		
X.XXX ±0.05	Angles ±1°	Unit: mm
	Scale: N/A	Sheet: 5/6

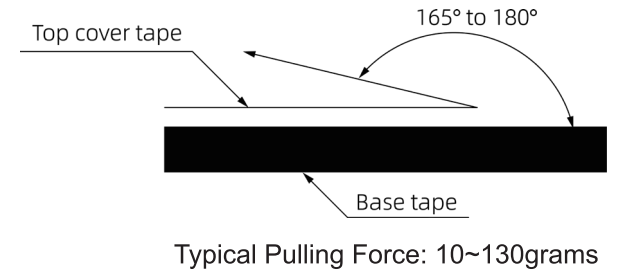
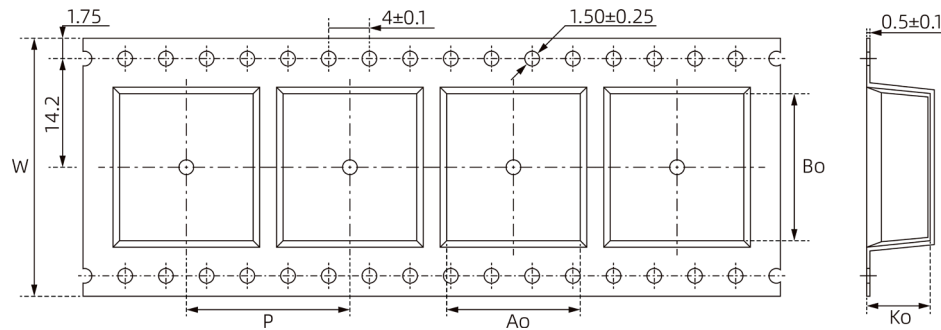
PART NO.	TITLE	DRAWN BY	REV.
STB2213AF Seies	HIGH TEMPERATURE SMD INDUCTOR	WAYNE 2026-06-04	A

Carrier taping reel & carrier materials (paper plastics):



Unit:(mm)

QTY (Pcs/Reel):	100
Ao(Ref.):	22.95
Bo(Ref.):	23.14
Ko(Ref.):	13.1
Reel diameter(Ref.):	
W(Ref.):	44.0
P(Ref.):	32.0



X.X ±0.20	SHAREWAY TECHNOLOGY CO.,LTD	
X.XX ±0.15		
X.XXX ±0.05	Angles ±1°	Unit: mm
	Scale: N/A	Sheet: 6/6