

1. PART NO. EXPRESSION :

STF 0402 100 Y Z F
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

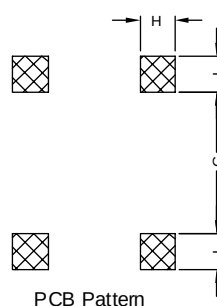
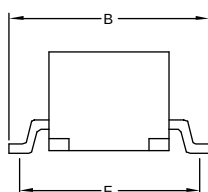
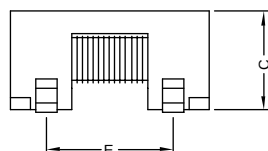
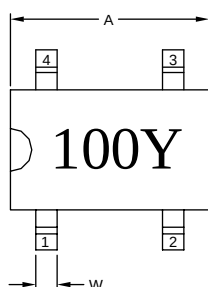
(c) Inductance code : 100 = 10.0uH

(d) Tolerance code : Y = $\pm 40\%$

(e) Z : Standard part

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

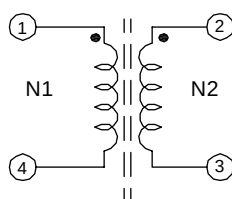


PCB Pattern

Unit: m/m

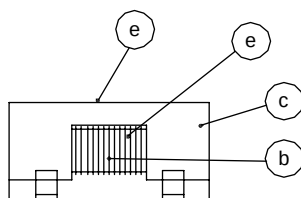
A	B	C	E	F	G	H	I	W
4.60 $\pm$ 0.3	5.00 $\pm$ 0.3	2.50 $\pm$ 0.3	3.00 $\pm$ 0.3	4.60 $\pm$ 0.3	3.40 Ref.	0.80 Ref.	1.20 Ref.	0.50 $\pm$ 0.1

3. SCHEMATIC :



"●" : Polarity

4. MATERIALS :



(a) Core

(b) Wire

(c) Base

(d) Adhesive

(e) Ink



RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.

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5. GENERAL SPECIFICATION :

- a) Temp. rise : 45° C Max. at rated current
- b) Operating temp. : -40° C to +80° C
- c) Storage condition (component in its packaging)
 - i) Temperature : -10 to 40° C
 - ii) Humidity : 60%
- d) Resistance to solder heat : 260° C. 10secs

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance L1 , L2 (μ H)	DC Resistance N1 , N2 (Ω)	Rated Current (A)	Impedance (Ω)	Frequency Range (MHz)
STF0402100YZF	10.0 $\pm$ 40%	0.035 Max.	1.40	80 Min.	10 ~ 1000
STF0402400YZF	40.0 $\pm$ 40%	0.070 Max.	1.25	250 Min.	5 ~ 500
STF0402850YZF	85.0 $\pm$ 40%	0.135 Max.	0.90	400 Min.	3 ~ 300
STF0402151YZF	150.0 $\pm$ 40%	0.220 Max.	0.50	600 Min.	2 ~ 100
STF0402221YZF	220.0 $\pm$ 40%	0.350 Max.	0.45	800 Min.	1 ~ 50

* Hi-Pot Test (N1-N2) : 500VAC 60Hz 3mA 1 Minute

**RoHS Compliant**

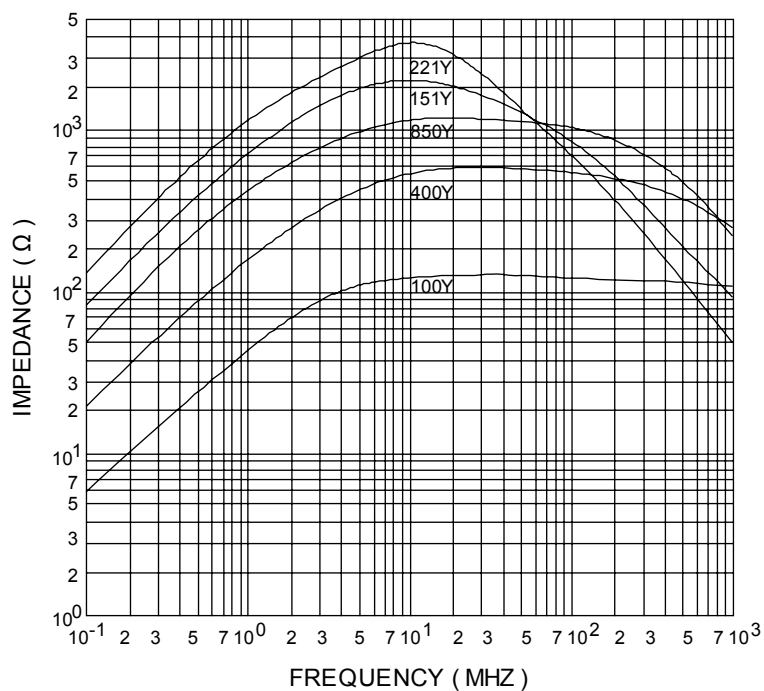
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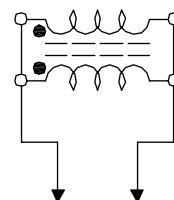
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7. IMPEDANCE VS. FREQUENCY :



Measuring Circuit :



RF Impedance Analyzer

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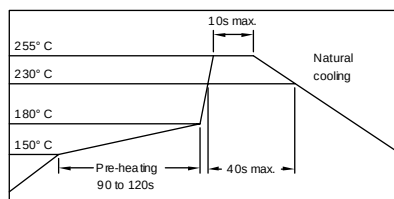
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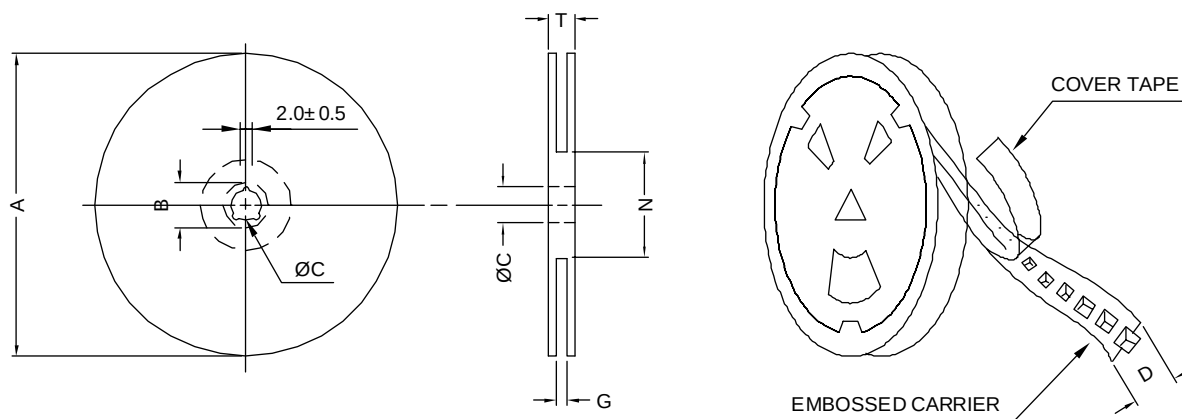
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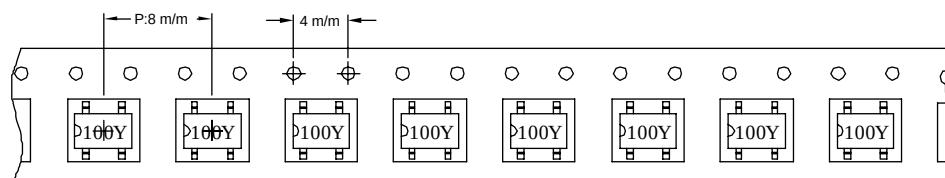
RECOMMENDED SOLDERING CONDITIONS
REFLOW SOLDERINGS

8. PACKAGING INFORMATION :

(1) CONFIGURATION



* CARRIER TAPE WIDTH : D



(2) DIMENSIONS

Unit: m/m

STYLE	A	B	C	D	G	N	T
13-16	330	21±0.8	13	16	18 ⁺⁰	50 ⁻⁰	22.4

(3) QTY & G.W. PER PACKAGE

SERIES	INNER : REEL			OUTER : CARTON		
	QTY (PCS)	G.W. (gw)	STYLE	QTY (PCS)	G.W. (Kg)	SIZE (cm)
STF0402	2000	600	13-16	12000	7.1	40 x 40 x 24



RoHS Compliant

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