

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSB0402T SERIES

1. FEATURES:

1. Low profile: 2.5mm(Max)
2. Common mode impedance of 220Ω at 100MHz, 500Ω at 400MHZ.
3. Operating temperature Range: -25°C ~ +85°C
4. Suitable for reflow soldering.

2. APPLICATIONS:

HSB0402T Series is a dual wound common mode choke w/c is ideal for NOISE ATTENUATION in a twisted pair cable interfaces as well as IEEE 1394 & USB2.0 applications. An excellent impedance balance between two sets of twisted pairs is achieved by winding across a single core.

One HSB0402T common mode choke coil per interface port is possible with this dual winding configurations.

3. PART NUMBER SYSTEM:

HSB - 0402 - T

(1) (2) (3)

(1) Series name .

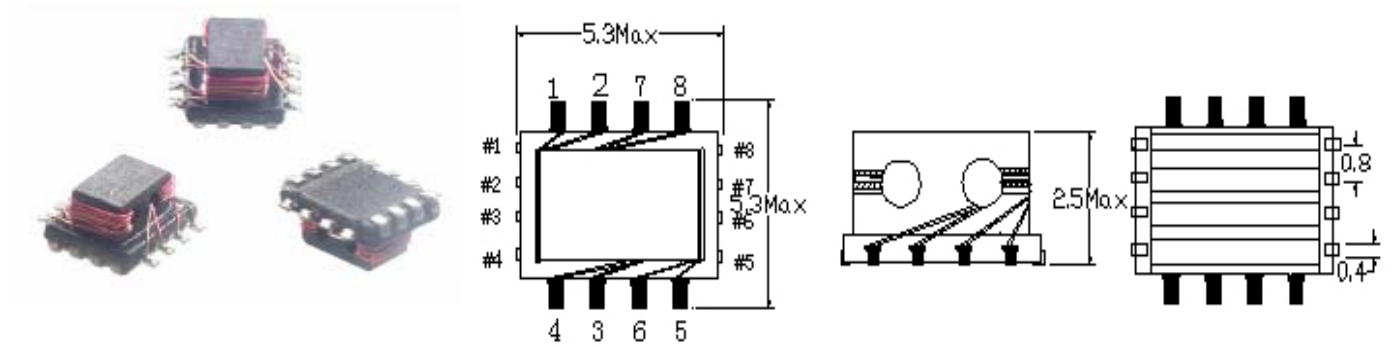
(2) 0402 is size.

(3) T is reel tape package.

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4. PHYSICAL CHARACTERISTICS:



5. ELECTRICAL CHARACTERISTICS:

Part Number	Insertion Loss (HP-8714C)			
	50MHz	100MHz	300MHz	500MHz
HSB0402T	2.8dB ± 1.0dB	6.0dB ± 2.5dB	12.0dB ± 2.5dB	14.0dB ± 3.0dB

Part Number	R DC	Impedance common mode	Rated voltage	Withstanding voltage	Insulation resistance
HSB0402T	(Max)	(HP-4291B)		(CH-901)	(CH-702A)
	0.12Ω	220Ω @ 100MHz 500Ω @ 400MHz	DC 50V	AC 150V 2mA/60S between winding and winding	DC100V 100Mohm MIN between winding and winding