New product

SMD BALUN
VERY HIGH FREQUENCY
COMMON MODE NOISE SUPPRESSION
SERIES SB5

SB5-T is discontinued. Use this datasheet for reference only.

FEATURES

- Base terminals are treated, allow mounting as is on PCB. High Common Mode Impedance in small sizes
- Very effective for common mode noise suppression in Digital Equipment in which radiation is caused by cables
- No degrading of incoming signal when suppressing noise
- Can be used as a Common mode filter for USB2.0 & IEEE1394

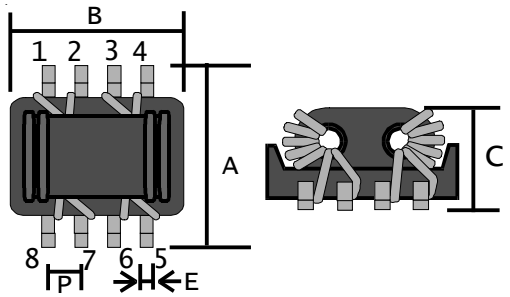
ELECTRICAL CHARACTERISTICS

- Impedance range	90 to 500 @ 100 MHz 120 to 850 @ 300 MHz	- Test frequency	100MHz & 300MHz
		- Test equipment	HP-4291A
- Withstand voltage	100 Volts DC	- Insulation resistance	100 Meg Ohms min.

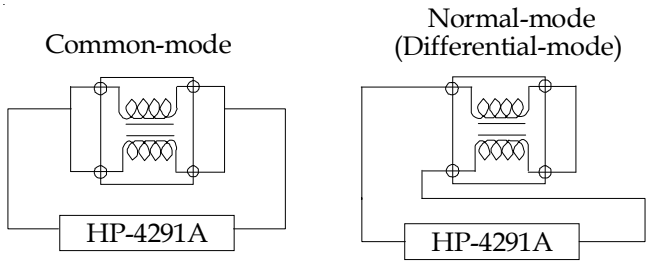
PHYSICAL CHARACTERISTICS

- Operating temp.	-20°C to +105°C	- Construction	Wire wound on balun core
- Terminal material	Tinned copper	- Quantity per reel	SB5-R 1000 pieces
- Packaging	T&R with 16 mm tape and 330 mm reel		SB5-T 3000 pieces

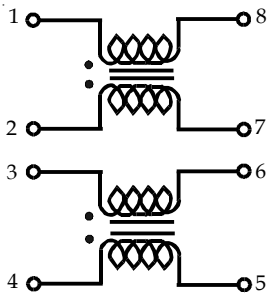
DIMENSIONS IN MILLIMETERS



MEASURING CIRCUIT



EQUIVALENT CIRCUIT DIAGRAM



Sizes	A	B	C	E	P
SB5-R	6.7 max.	6.1 max	3.75 max	0.5 ± 0.2	1.27 ± 0.2
SB5-T	5.0 ± 0.3	3.5 ± 0.3	2.50 max	0.3 ± 0.2	0.80 ± 0.2

SPECIFICATIONS

Part Number	Z @ 100MHz (Ω)	Z @ 300MHz (Ω)	Rated Current (mA)	DCR max (Ω)	Withstand voltage (VDC)
SB5-R-120	120 ± 25%	180 typical	500	0.12	100
SB5-R-300	300 ± 25%	470 typical	500	0.12	100
SB5-R-500	500 ± 25%	750 typical	500	0.12	100
SB5-T-90	90 ± 25%	120 typical	500	0.10	100
SB5-T-200	200 ± 25%	280 typical	500	0.12	100
SB5-T-300	300 ± 25%	520 typical	500	0.15	100
SB5-T-500	500 ± 25%	850 typical	500	0.16	100