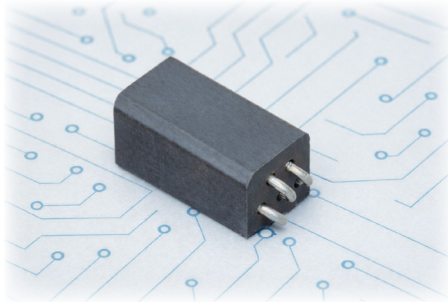


HRBSM4320S2050 High Reliability Surface Mount Ferrite Wound Bead (Differential Mode)



Features

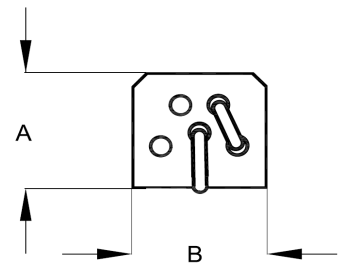
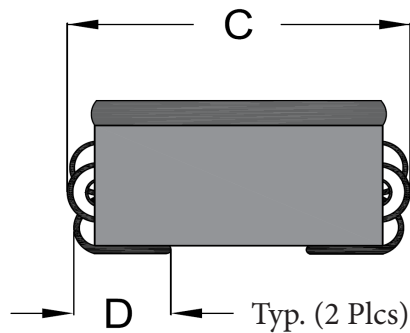
- Oxygen free high conductivity copper and Tin/Lead (Sn/Pb) solder plated terminals.
- Rugged construction with low DC resistance and increased current carrying capacity.
- Terminations are Tin/Lead (Sn/Pb) solder plating over Nickel (Ni) underplating.
- High Reliability with complete material and process traceability.
- Available with DLA 03024 group A, B data are supplied with each shipment.
- Group C inspection data is optional.

Applications

- Satellite/Spacecraft
- Aerospace
- Avionics
- Military
- Telecom DC/DC power
- Drones
- Battery and BMS
- PDU

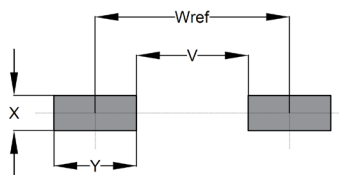
Product Dimensions

Dimension	mm	mm Tol.	Nominal Inch	Inch Misc
A	5	Max	0.197	Max
B	5	± 0.25	0.197	-
C	11	Max	0.433	Max
D	2.5	± 0.50	0.098	-



Land Pattern

Unit	V	W	X	Y
mm	2.00	7.00	2.00	5.00
Inch	0.079	0.276	0.079	0.197

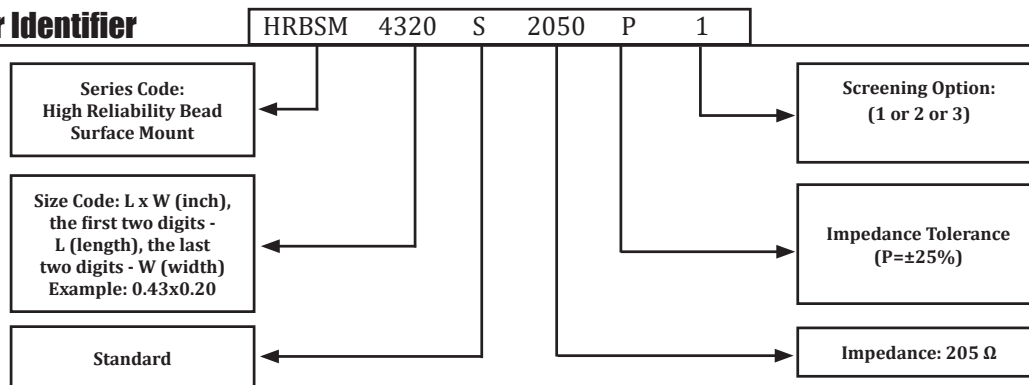


HRBSM4320S2050 High Reliability Surface Mount Ferrite Wound Bead (Differential Mode)

Electrical Characteristics and General Specification:

Part Number	HRBSM43202050P	Max. Current Rating (A)	5 AMP**
Typical Impedance (Ω)	205@ 10MHz 292@ 25 MHz* 414@ 100 MHz* 431@ 250 MHz	Wire Gauge (AWG)	(0.53) 24 AWG
		Storage Temperature (°C)	-55 to +125 RH < 55%
		Operating Temperature(°C)	-55 to +125
		Termination	Tin/Lead over nickel undercoating
Max. RDC (mΩ)	3.8	Ferrite Material	NiZn (44 Material)
Weight (g)	0.96		
*Minimum Impedance (Ω)	200 Min. @25MHz	300 Min. @100MHz	
Max. Current	44 Material (NiZn) Beads can withstand a continuous current of 10 amps resulting in a component temperature rise < 40 °C		

Part Number Identifier



Standard Screening Options:

- 1- Standard 100% Visual Inspection and electric characteristics (Impedance/DC resistance Read and Record) per DLA 03024.
- 2- Option 2: Group A and B Screening per DLA 03024.
- 3- Option 3: Group A, B, and C Screening per DLA 03024.

Termination :

Tin/Lead (Sn/Pb) solder plating

HRBSM4320S2050 High Reliability Surface Mount Ferrite Wound Bead (Differential Mode)

Frequency vs. Impedance (Z), Resistance (R), Reactance (XL)

