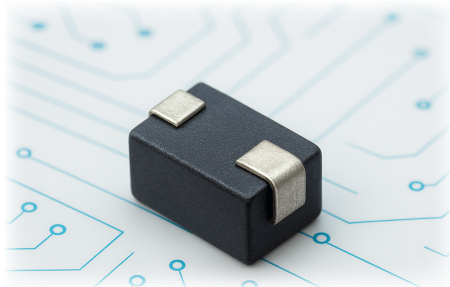


High Reliability Surface Mount Ferrite Bead HRBSM2407S17R5 (Differential Mode)



Applications

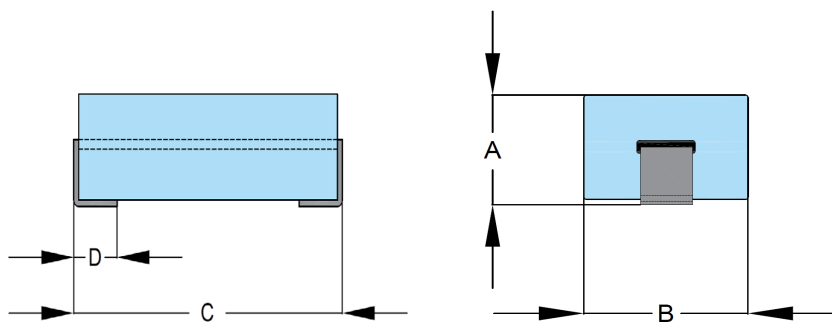
- Satellite/Spacecraft
- Aerospace
- Avionics
- Military
- Telecom DC/DC power
- Drones
- Battery and BMS
- PDU

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.

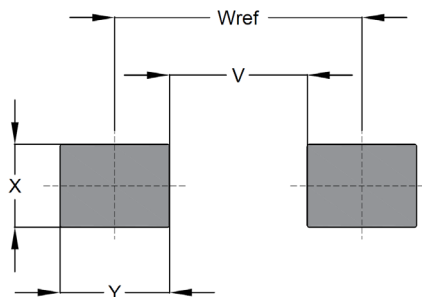
Product Dimensions

Dimension	mm	mm Tol.	Nominal Inch	Inch Misc
A	1.80	Max	0.068	Max
B	3.1	± 0.10	0.122	-
C	6.20	Max	0.240	-
D	1.55	± 0.50	0.061	-



Land Pattern

Unit	V	W	X	Y
mm	1.50	4.50	1.80	3.00
Inch	0.059	0.177	0.071	0.118

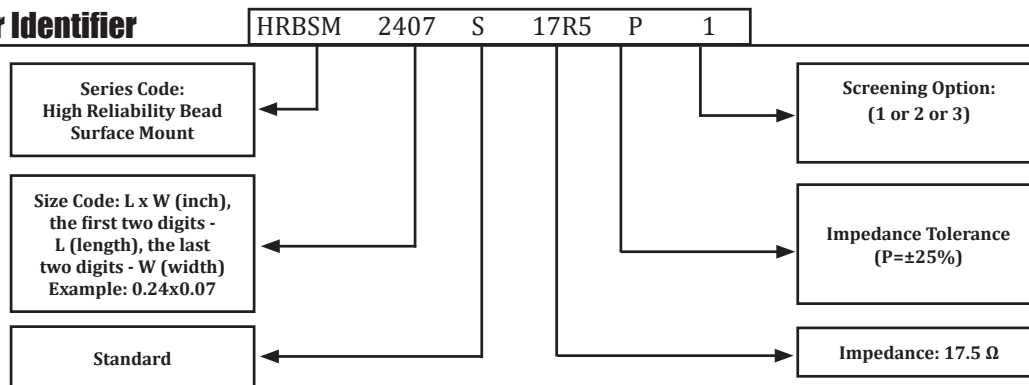


High Reliability Surface Mount Ferrite Bead HRBSM2407S17R5 (Differential Mode)

Electrical Charactersitics and General Specification:

Part Number	HRBSM2407S17R5P	Max. Current Rating (A)**	5 AMP
Typical Impedance (Ω)	17.5@ 10MHz 26@ 25 MHz 37@ 100 MHz 40@ 250 MHz	Wire Guage (AWG)	Flat TCW 1.27(.050)Wx0.2(.008)T
		Storage Temperature (°C)	-55 to +125 @RH<55%
		Operating Temperature(°C)	-55 to +125
		Termination	Tin/Lead over nickel undercoating
Max. RDC (mΩ)	1.1	Ferrite Material	NiZn (44 Material)
Weight (g)	0.09		
Minimum Impedance (Ω)	17 Min. @25 MHz	28.8 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

High Reliability Surface Mount Ferrite Bead HRBSM2407S17R5 (Differential Mode)

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

