

Axial Lead Ferrite Beads

Steward's two-terminal axial lead ferrite beads provide economical filtering for differential mode EMI suppression applications. Constructed using a continuous 22 gauge conductor, these devices are able to withstand high peak currents that can destroy other surface mount devices.

Features:

- Up to 220 ohms impedance at 100 MHz
- Higher current carrying capability than surface mount devices
- Economical thru-hole EMI filter

Applications:

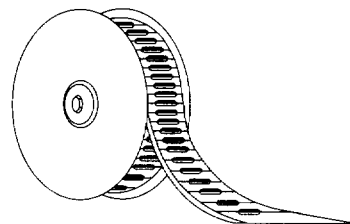
- Filtering of power input pins of devices using high speed clocks
- Filtering of low frequency input/output signals of shielded enclosures
- High frequency filtering of medium speed clocks and video signals
- Preventing oscillations in high frequency amplifiers
- EMI filtration in power supplies

Test Specifications:

- Agilent E4991A (1 MHz - 3.0 GHz)
- HP43961A Impedance Test Kit
- HP16192A Test Fixture
- HP16200A DC Bias Adapter
- Philips PM2811 DC Power Supply
- Ambient Temperature 23.5°C
- Bandwidth 3 kHz
- Sweep Time 423 ms

PART NUMBERING SYSTEM

28	L	0138	-	1	0	0-Bulk R-Tape & Reel
MATERIAL TYPE	PRODUCT CODE	PART SIZE CODE	SELECTED DIMENSION CODE	ADDITIONAL DESCRIPTION	PACKAGING CODE	



Ambient Operating Temperature Range: -55° C to +125° C

PART NUMBER	A mm (inches)	B mm (inches)	C mm (inches)	D WIRE GAUGE	Impedance (Z) Typical Ohms
					28 Material @ 100 MHz
28L0138-10R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	4.45 ± 0.25 (0.175 ± 0.010)	22 AWG TOW	75
28L0138-80R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	5.23 ± 0.25 (0.206 ± 0.010)	22 AWG TOW	86
28L0138-20R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	5.99 ± 0.25 (0.236 ± 0.010)	22 AWG TOW	97
28L0138-40R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	8.89 ± 0.51 (0.350 ± 0.020)	22 AWG TOW	135
28L0138-50R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	9.53 ± 0.51 (0.375 ± 0.020)	22 AWG TOW	153
28L0138-60R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	11.43 ± 0.51 (0.450 ± 0.020)	22 AWG TOW	180
28L0138-70R	3.51 ± 0.25 (0.138 ± 0.010)	59.00 ± 1.57 (2.323 ± 0.062)	13.97 ± 0.51 (0.550 ± 0.020)	22 AWG TOW	220

