

SMT Ferrite Bead

APPLICATION		REVISION			
NEXT ASSEMB-	USED ON	LTR	DESCRIPTION	DATE	APPROVED
	A600	A	SPECIFICATION RELEASE	8/2/91	G. ROBBINS
		B	REVISED PER ECO 920184	4/9/92	H. L. H.
		C	REVISED PER ECO 920565	7-28-92	D. Shannon

1.0 DESCRIPTION

This specification describes the requirements for a ferrite EMI filter packaged for surface mounting on printed circuit boards.

- 391092-01: 100 - 150 ohms impedance @ 100 MHz
200 mA max.
0.2 ohms DC resistance max.
1812 code package
- 391092-02: 20 - 70 ohms impedance @ 100 MHz
200 mA max.
0.5 ohms DC resistance max.
1206 code package

1.1 Sources

Refer to Approved Vendor List.

*-03 high impedance
600 Ω @ 100 MHz
200 mA*

Notice from Editor:
muRata BLM41A01 =>
(391092-01)

80 Ω 500 mA

Commodore P/N	Status	Commodore P/N	Status
391092-01	Active		
391092-02	Active		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES: ANGLES +/- 1 DEGREE 2 PLACE DECIMALS +/- 0.02 3 PLACE DECIMALS +/- 0.010	DRAWN A. Young	DATE	Commodore 1200 WILSON DRIVE WEST CHESTER, PA 19380 (215) 431-9100	
	SYSTEM ENGR.	DATE		
	TEST ENGR.	DATE		
	COMP. ENGR. D. Shannon	DATE		
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	PROD. ASSUR.			SIZE A DRAWING NUMBER 391092
			SCALE	SHEET 1 of 2

2.0 PHYSICAL REQUIREMENTS

2.1 Environmental Resistance

Temperature: - 25 ° to + 85 ° C

Humidity: 5 to 95 % RH, non-condensing

3.0 MINIMUM ACCEPTANCE LEVEL

The minimum acceptance level for any lot will be an AQL of 0.65 as defined by MIL-STD 105 single sampling techniques.

4.0 DIMENSIONS

For dimensions for packaging codes, refer to Commodore Engineering Policy 1.02.013.

Commodore

**TITLE:
FILTER, FERRITE, SMT**

SIZE
A

DRAWING NUMBER
391092

REV.
C

SCALE

SHEET 2 of 2

APPROVED VENDOR LIST

THIS SHEET MUST BE REMOVED FROM THIS DOCUMENT
BEFORE THE DOCUMENT IS SHOWN OR TRANSMITTED TO A VENDOR.

Commodore P/N	Vendor	Vendor P/N
391092-01	MURATA ERIE	BLM41A01PT
	PANASONIC	EXCSL4532U
	BELL INDUSTRIES	PMB1812-2
	TDK	HF50ACB453215
	MAG LAYERS SCIENTIFIC TECHNICS CO, LTD	MLB-V-453215
391092-02	MURATA ERIE	BLM31A02PT
	PANASONIC	EXCSL3216U
	BELL INDUSTRIES	PMB1206-2
	TDK	HF50ACB321611
	MAG LAYERS SCIENTIFIC TECHNICS CO, LTD	MLB-V-321616

Commodore

TITLE:
FILTER, FERRITE, SMT

W. C. ENGINEERING USE ONLY

9	1	0	9	2	-	0	3																
ASSIGNED PART NUMBER												MODEL (F.G. only)						Request No. 16516					
Date APR 14 1992																							
ASSIGNED DESCRIPTION																							

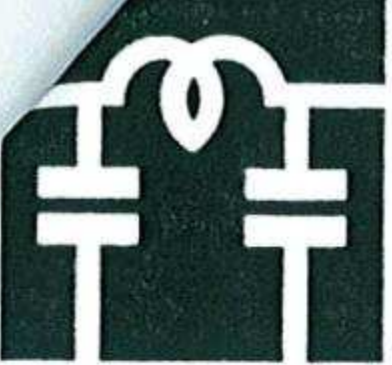
PART NUMBER REQUEST

Manufacturing Y N		Sales/Spares Y N		EMERGENCY <input checked="" type="checkbox"/>
ORIGINATOR BRIAN FENIMORE		LOCATION WC ENG		PHONE 9798
				ROUTINE <input type="checkbox"/>
Affected Finished Goods A600, A600 HD				
Parts Description/Application FILTER, FERRITE, SM, (1206)				
Additional Part Description HIGH IMPEDANCE *(-03) OFF EXISTING BASE #				
Make Y N	Is a manufacturers specification attached (Y) N			
Buy Y N	Is a preliminary drawing/BOM attached Y N			
Recommended Sources (2 minimum) 1) MURATA - ERIE 2) 3)				
Vendors Part Number Including package/Shipping suffix 1) 32A07PT 2) 3)				
Drawing to be generated by ORIGINATOR <input type="checkbox"/> WCDC <input type="checkbox"/> OTHER				

W.C. ENGINEERING

APPROVED <i>D. Shuman</i>	REJECTED	DATE 14 APR 92	ECR/DWG#
REASON			

Send To:	G. Crompton Commodore Technology 1200 Wilson Drive West Chester, Pa. 19380		
PHONE # 215-431-9100 ext. 9511	FAX #	215-431-9156	



EMI SUPPRESSION FILTER

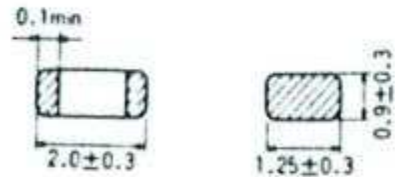


EMI Suppression Filter (EMIFIL®)

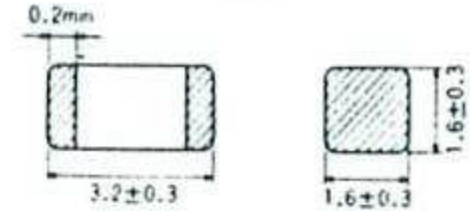
CHIP SOLID INDUCTOR

BLM Series

BLM21

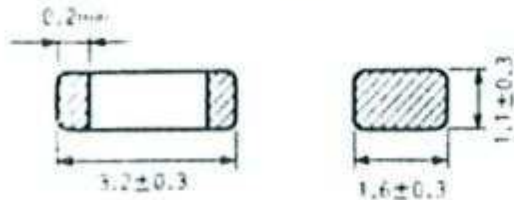


BLM31

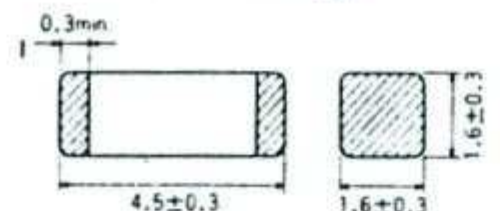


NEW

BLM32



BLM41



Applications

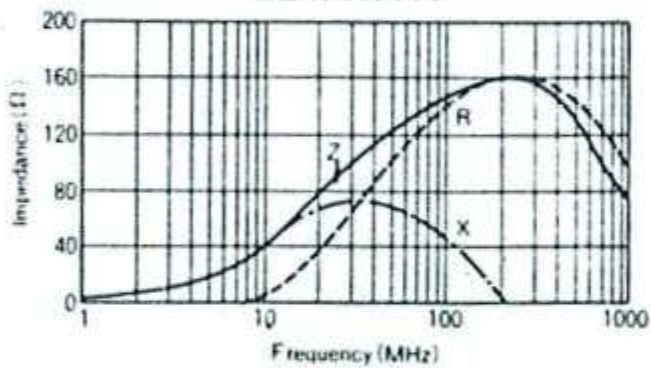
Computer and peripherals, Digital TVs/VCRs, etc.

Part Number	Impedance(Ω) (Typ.) at 100MHz	Rated Current (mA)	Operating Temp. Range
BLM21 A05	120	200	-55°C ~ +125°C
BLM21 B03	5	500	
BLM32 A06	600	200	
BLM32 A07	600	200	
BLM31 A02	70	200	
BLM41 A01	80	500	
BLM41 A04	150	200	

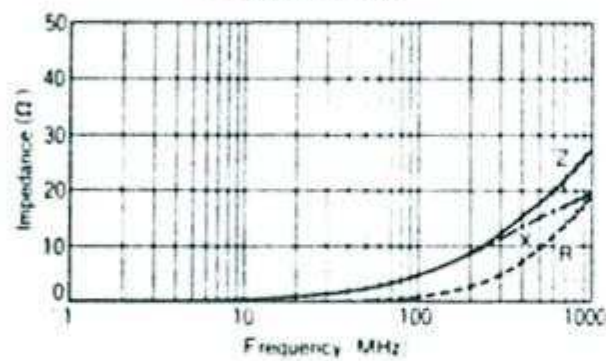
(Unit : mm)

Impedance Frequency Characteristics(Typ.)

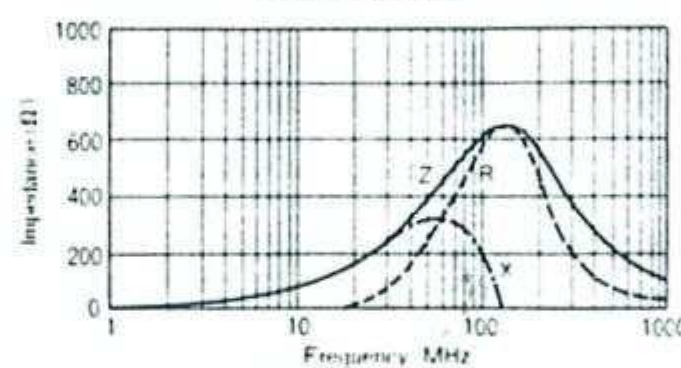
BLM21A05



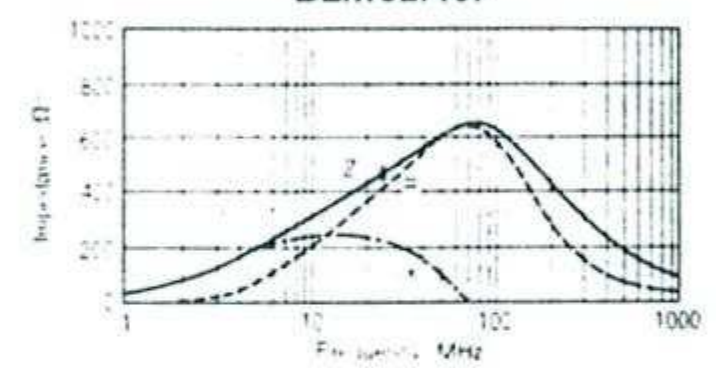
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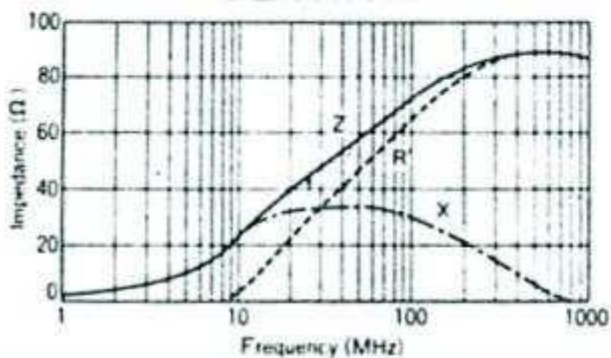
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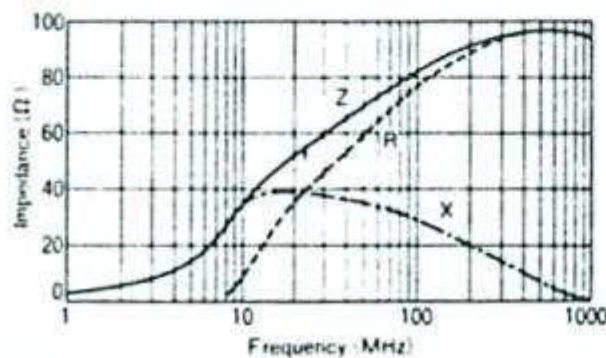
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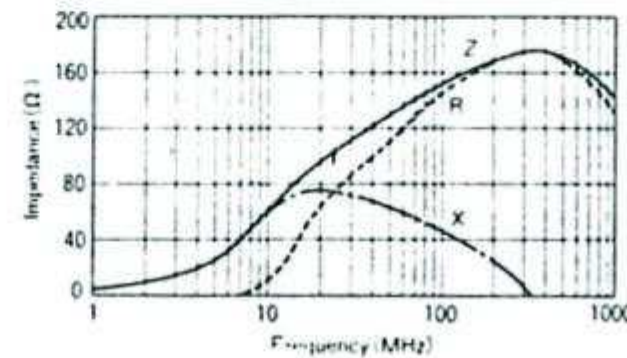
BLM31A02



BLM41A01



BLM41A04



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