# **MBC50-x Series**



## **MNOS Series Capacitor Beam Leads**

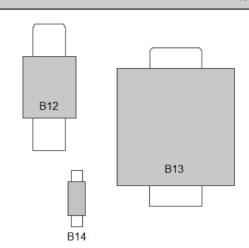
Rev. V1

#### **Features**

- Low Leakage Current
- Low Insertion Loss
- · Excellent Long Term Stability

## **Description**

The MBC50-x Series capacitors utilize a silicon nitride dielectric over a thermally grown silicon dioxide base. The resultant composite dielectric exhibits low leakage current and insertion loss with excellent long-term stability. The temperature coefficient of capacitance is typically +55 ppm / °C.



## Electrical Specifications: $T_A = +25$ °C

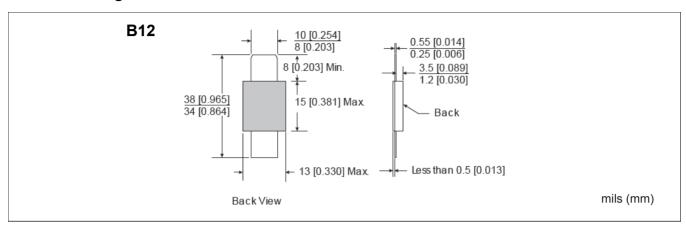
Part#	Total Capacitance (C <sub>T</sub> ) pF ±20% Typ.	Voltage (DWV) V Min.	Reverse Current (I <sub>R</sub> ) mΩ Min.	Temperature Coefficient (T <sub>CC</sub> ) ppm / °C Typ.	_ Package						
						MBC50-1B12	1	50	1000	+55	B12
						MBC50-2B12	2	50	1000	+55	B12
MBC50-3B12	3	50	1000	+55	B12						
MBC50-4B12	4	50	1000	+55	B12						
MBC50-6B12	6	50	1000	+55	B12						
MBC50-8B12	8	50	1000	+55	B12						
MBC50-10B12	10	50	1000	+55	B12						
MBC50-15B12	15	50	1000	+55	B12						
MBC50-20B12	20	50	1000	+55	B12						
MBC50-33B13	33	50	1000	+55	B13						
MBC50-47B13	47	50	1000	+55	B13						
MBC50-68B13	68	50	1000	+55	B13						
MBC50-82B13	82	50	1000	+55	B13						
MBC50-100B13	100	50	1000	+55	B13						
MBC50-0.2B14	0.2	50	1000	+55	B14						
MBC50-1.0B14	1.0	50	1000	+55	B14						
MBC50-1.5B14	1.5	50	1000	+55	B14						
MBC50-2.0B14	2.0	50	1000	+55	B14						
Test Conditions	1 MHz		25 V	-55°C - +200°C							

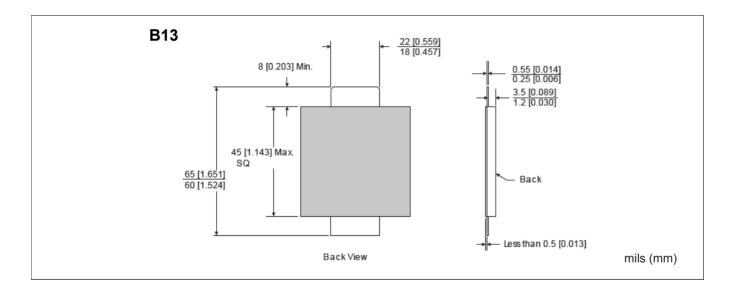


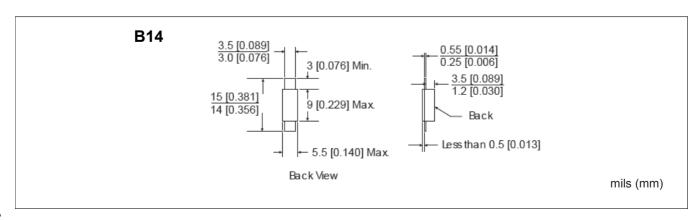
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### **Outline Packages**







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Rev. V1

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