MC2Sx Series



MNOS Series Capacitor

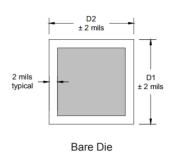
Rev. V1

Features

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

Description

The MC2Sx 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 #	Junction Capacitance (C _J)	Voltage (DWV)	Reverse Current (I _R)	Temperature Coefficient (T _{CC})	Dimensions	
	pF	V	MΩ	ppm / °C	mils	
	Тур.	Min.	Min.	Тур.	D1 Typ.	D2 Typ.
MC2Sxxx010-010	0.25 - 8	50	1000	+55	10	10
MC2Sxxx011-011	1 - 12	50	1000	+55	11	11
MC2Sxxx015-015	3 - 30	50	1000	+55	15	15
MC2Sxxx016-016	3 - 35	50	1000	+55	16	16
MC2Sxxx020-020	5 - 55	50	1000	+55	20	20
MC2Sxxx022-022	5 - 60	50	1000	+55	22	22
MC2Sxxx025-025	10 - 100	50	1000	+55	25	25
MC2Sxxx030-030	10 - 120	50	1000	+55	30	30
MC2Sxxx035-035	15 - 150	50	1000	+55	35	35
MC2Sxxx040-040	20 - 200	50	1000	+55	40	40
MC2Sxxx050-050	25 - 250	50	1000	+55	50	50
MC2Sxxx055-055	25 - 300	50	1000	+55	55	55
MC2Sxxx060-060	35 - 375	50	1000	+55	60	60
MC2Sxxx070-070	50 - 550	50	1000	+55	70	70
MC2Sxxx080-080	70 - 700	50	1000	+55	80	80
MC2Sxxx100-100	100 - 999	50	1000	+55	100	100
Test Conditions	1 MHz		25 V	-55°C - +200°C		

^{1.} xxx or xxxx = three or four digit capacitance code, ex. 005 = 5 pF, 082 = 82 pF, 2.5 = 2.5 pf.

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