

SIOV metal oxide varistors

TDK ordering code system

Date: April 2026

TDK ordering code system

For leaded and housed varistors

B722 or B723	10	S	2	271	K	1	0	1
Monolithic varistor								
Nominal disc diameter								
Design: F = Fail-safe varistor P = Multiple pulse (MP series) Q = EnergetiQ S = Leaded varistor T = ThermoFuse U = Disk type, SNF X = Disk type, SNF (AEC-Q200)								
Series: 0 = Standard 1 = Automotive 2 = AdvanceD 3 = SuperioR 4 = SuperioR								
Max. AC operating voltage: $271 = 27 \cdot 10^1 = 275 \text{ VAC}$ $140 = 14 \cdot 10^0 = 14 \text{ VAC}$ $141 = 14 \cdot 10^1 = 140 \text{ VAC}$								
Tolerance of varistor voltage: K = $\pm 10\%$ J = $\pm 5\%$ S = Special tolerance								
Lead configuration: 1 = Straight leads 2 thru 5 = Kinked form, for further information please refer to chapter "Taping, packaging and lead configuration"								
Packaging: 0 = Bulk, 1 thru 7 = Taping style, for further information please refer to chapter "Taping, packaging and lead configuration"								
Internal coding: 1 = Standard								

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For block and strap varistors

B722	40	B	0	271	K	0	0	1
Monolithic varistor								
Nominal disc diameter								
Design: B = Block varistor L = Strap varistor								
Internal coding								
Max. AC operating voltage: 271 = $27 \cdot 10^1 = 275 \text{ VAC}$ 750 = $75 \cdot 10^0 = 75 \text{ VAC}$ 141 = $14 \cdot 10^1 = 140 \text{ VAC}$								
Tolerance of varistor voltage: K = $\pm 10\%$ J = $\pm 5\%$ S = Special tolerance								
Internal coding								
Internal coding								
Internal coding								

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For encapsulated varistors

B72	650	M	0	271	K	0	72
Monolithic varistor							
Case size: 550 = CU 3225, 32 x 25 mm 650 = CU 4032, 40 x 32 mm							
Design: M = Encapsulated chip							
Series: 0 = Standard 1 = Automotive							
Max. AC operating voltage: 271 = $27 \cdot 10^1 = 275 \text{ VAC}$ 750 = $75 \cdot 10^0 = 75 \text{ VAC}$ 141 = $14 \cdot 10^1 = 140 \text{ VAC}$							
Tolerance of varistor voltage: K = $\pm 10\%$ S = Special tolerance							
Internal coding							
							72 = G2, taped on 330-mm reel