



Products Lineup

Aluminum Electrolytic Capacitors

85℃ Snap-in Type Aluminum Electrolytic Capacitors SMQ Series
ESMQ451VSN331MQ50S

Standard

Switching Power Supply, Inverter Controller etc.

RoHS

Part Number	ESMQ451VSN331MQ50S
Status	In Production
Series	SMQ
Polarity	Polar
Category Temperature Range	-25~85 ℃
Rated Voltage	450 Vdc
Capacitance	330 μF
Capacitance Tolerance	-20~20%(M) / 20℃, 120Hz
Dimensions ø D	25.4mm
Dimensions L	50mm
Rated Ripple Current	2010mA rms / 85℃ / 120Hz
Leakage Current	1150 μA max / 20℃, after 5 minutes
Dissipation Factor (tanδ)	0.2 max / 20℃, 120Hz
Endurance Temperature/Time/Overload	85℃ / 2000hrs / DC+Ripple
Shelf Life Temperature/Time	85℃ / 1000hrs
Terminal Coating	Sn
Reference Weight	37g
Minimum Order Quantity	200 pcs
RoHS Compliant	Compliant

Print Preview

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Stock at Distributors

Distributors

Stock quantity

Buy

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Design Tools · Documents

Catalog Data

Lifetime Estimation

3D-CAD Data

Reliability Data

RoHS, REACH/SVHC Reports (Downloads)

Information on Chemical substances in Products chemSHERPA Data (IEC 62474)

Products Guide

Product Code Guide

Precautions And Guidelines

Available Terminals

Minimum Order Quantity

Recommended Soldering Conditions

Standardization And Obsolete Products

Overseas Production Base

Technical Notes

About Environmental Measures

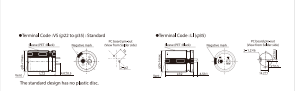
Catalog (Full Page)

Rated Ripple Current Multipliers

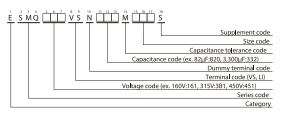
Frequency Multipliers

Frequency [Hz]	50	120	300	1k	10k	50k
Multipliers	0.77	1.00	1.16	1.30	1.41	1.43

Dimension [mm]



Part Numbering System



Please refer to "Product code guide (snap-in type)"
品番コードの詳細は「品番の表し方 (基板自立形)」をご参照下さい。
产品型号代码的详细介绍请参考「产品型号表示方法 (基板自立型)」。

Products Lineup	Product Search/Purchase Samples	Aluminum Electrolytic Capacitors	Multilayer Ceramic Capacitors	Film Capacitors
	Supercapacitors	Metal Oxide Varistors	Inductors (Coils/Cores)	Camera Module
	Wafer	Module		

Products Lineup

Product Search/Purchase Samples > Aluminum Electrolytic Capacitors > Multilayer Ceramic Capacitors >

Film Capacitors > Supercapacitors > Metal Oxide Varistors >

Inductors (Coils/Cores) > Camera Module > Wafer

Module >

Design Tools

Lifetime Estimation > SPICE/S parameters >

3D-CAD > Application guides >

Reliability test data >

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