

Products Lineup

Aluminum Electrolytic Capacitors



85°C Snap-in Type Aluminum Electrolytic Capacitors SMQ Series
ESMQ451VSN271MQ40S

Standard
Switching Power Supply, Inverter Controller etc.

RoHS

Part Number	ESMQ451VSN271MQ40S
Status	In Production
Series	SMQ
Polarity	Polar
Category Temperature Range	-25~85 °C
Rated Voltage	450 Vdc
Capacitance	270 µF
Capacitance Tolerance	-20~20%(M) / 20°C, 120Hz
Dimensions ø D	25.4mm
Dimensions L	40mm
Rated Ripple Current	1780mA rms / 85°C / 120Hz
Leakage Current	1040 µA max / 20°C, after 5 minutes
Dissipation Factor (tanδ)	0.2 max / 20°C, 120Hz
Endurance Temperature/Time/Overload	85°C / 2000hrs / DC+Ripple
Shelf Life Temperature/Time	85°C / 1000hrs
Terminal Coating	Sn
Reference Weight	30g
Minimum Order Quantity	200 pcs
RoHS Compliant	Compliant

Print Preview >

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)

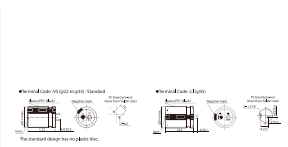
Products Guide

- 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)

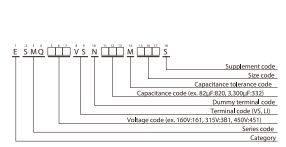
Rated Ripple Current Multipliers

Frequency [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(基板自立型)」をご参照下さい。
产品型号代码的详细请参考「产品型号号的表示方法(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	Company/IR
Product Search/Purchase Samples > Aluminum Electrolytic Capacitors > Multilayer Ceramic Capacitors >	
Film Capacitors > Supercapacitors > Metal Oxide Varistors >	
Inductors (Coils/Cores) > Camera Module > Wafer >	News >
Module >	
Design Tools	Distributors
Lifetime Estimation > SPICE/S parameters >	in US >
3D-CAD > Application guides >	in Europe >
Reliability test data >	
Downloads	Company >
FAQ/Contact us	Sustainability >
Products FAQs > Products Inquiries >	Investor Relations >
	Material Procurement >