

Products Lineup
Conductive Polymer Aluminum Solid Capacitors



105°C SMD Conductive Polymer Aluminum Solid Capacitors PXG Series

APXG160ARA102MJA0G

- Super Low ESR
- Long Life
- High Ripple
- Halogen Free
- PC/Mother Board etc.



Part Number	APXG160ARA102MJA0G
Status	NRND
Series	PXG
Polarity	Polar
Category Temperature Range	-55~105 °C
Rated Voltage	16 Vdc
Capacitance	1000 μF
Capacitance Tolerance	-20~20%(M) / 20°C, 120Hz
Dimensions Ø D	10mm
Dimensions L	10mm
Rated Ripple Current	4100mA rms / 105°C / 100kHz
ESR	18mΩ max / 20°C / 100k to 300kHz
Leakage Current	3200 μA max / 20°C, after 2 minutes
Dissipation Factor (tanδ)	0.12 max / 20°C, 120Hz
Endurance Temperature/Time/Overload	105°C / 15000hrs / DC
Reference Weight	1.1g
Minimum Order Quantity	500 pcs
RoHS Compliant	Compliant

Print Preview

Design Tools · Documents

- Catalog Data
- Reliability Data
- RoHS, REACH/SVHC Reports (Downloads)

Products Guide

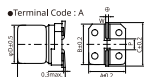
- Product Code Guide
- Precautions And Guidelines
- Taping, Lead-Preforming And Packaging
- Minimum Order Quantity
- Recommended Soldering Conditions, Land Dimensions of SMD Type
- Standardization And Obsolete Products
- Overseas Production Base
- Technical Notes
- Expected Lifetime
- About Environmental Measures
- Catalog (Full Page)

Rated Ripple Current Multipliers

Frequency Multipliers

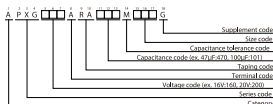
Frequency [Hz]	120	1k	10k	50k	100k	300k	500k
Multipliers	0.05	0.30	0.55	0.70	1.00	1.00	1.00

Dimension [mm]



Size Code	ØD	L	A	B	C	W	P
E86	8.6	21.5	3.1	5.3	5.0	0.5 (0.02)	1.4
E11	11	25.8	5.7	8.3	8.0	0.5 (0.02)	1.4
F46	14.6	41.5	6.6	6.6	7.3	0.5 (0.02)	1.9
E81	8.1	15.8	6.6	6.6	7.0	0.5 (0.02)	1.9
E10	10	17.8	6.6	6.6	7.0	0.5 (0.02)	1.9
E12	12	19.7	8.3	8.3	8.0	0.7 (0.1)	3.1
H80	8	17.7	8.3	8.3	8.0	0.7 (0.1)	3.1
H40	4	10.0	8.3	8.3	8.0	0.7 (0.1)	3.1
H6	6	12.7	10.3	10.3	11.0	0.7 (0.1)	4.5
H6	6	10.0	10.3	10.3	11.0	0.7 (0.1)	4.5
E9	9	12.7	10.3	10.3	11.0	0.7 (0.1)	4.5

Part Numbering System



Please refer to "Product code guide (conductive polymer type)".
品番コードの詳細は「品番の表し方 (導電性高分子)」をご参照下さい。
产品型号代码的详细介绍请参考「产品型号的表示方法(贴片型)」。

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

Products Lineup

- Product Search/Purchase Samples > Aluminum Electrolytic Capacitors > Multilayer Ceramic Capacitors >
- Film Capacitors > Supercapacitors > Metal Oxide Varistors >
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Design Tools

- Lifetime Estimation > SPICE/S parameters >
- 3D-CAD > The recommended series according to application >
- Reliability test data >

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