

Aluminum Capacitors 4-Terminal, Tubular, Axial Lead

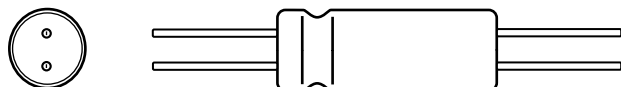


Fig.1 Component outlines

QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Nominal case size Ø D x L in mm	20.625 x 46.812 to 26.975 x 97.612
Operating temperature	- 55 °C to + 105 °C
Rated Capacitance range, C _R	47 µF to 22 000 µF
Tolerance on C _R	- 10 %, + 50 %
Rated voltage range, U _R	5 WVDC to 200 WVDC
Termination	4-terminal
Life validation test 2000 hours at 105 °C	Δ CAP ± 15 % from initial measurement Δ ESR < 1.5 x initial specified limit Δ DCL < initial specified limit
Shelf life 500 hours at 105 °C	500 hours: C < 10 % from initial measurement Δ ESR < 1.2 x initial specified limit Δ DCL < 2.0 x initial specified limit
DC leakage current $I = K \sqrt{CV}$	K is a constant: 0.5 at - 25 °C, 3.0 at + 105 °C I in µA, C in µF, V in Volts

FEATURES

- 4-Terminal construction
- Very low impedance
- Inductance limit 2nH
- Wide temperature range
- Available on special order - Call Buy/Resale Division for part numbers and specifications



LOW TEMPERATURE PERFORMANCE	
CAPACITANCE RATIO C - 55 °C/C + 25 °C MINIMUM at 120 Hz	
Rated Voltage WVDC	Capacitance Remaining
5 - 50	75 %
51 - up	80 %
ESR RATIO ESR - 55 °C/ESR + 25 °C MAXIMUM at 120 Hz	
Rated Voltage WVDC	Multiplier
5 - 50	12
51 - up	18

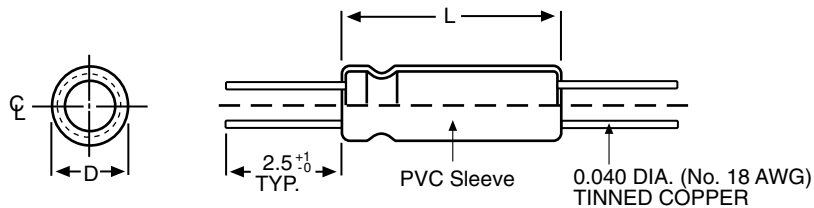
RIPPLE CURRENT MULTIPLIERS

For ripple current values contact the factory.

DIMENSIONS in millimeters					
CASE CODE	BARE CASE		OUTER INSULATION WITH POLYMER COATED END SEALS		LEAD SPACING
	D	L	D	L (max.)	S
GJ	19.050 ± 0.787	41.275 ± 1.575	20.625 ± 0.787	46.812	6.350 ± 0.381
GL	19.050 ± 0.787	53.975 ± 1.575	20.625 ± 0.787	59.512	6.350 ± 0.381
GP	19.050 ± 0.787	66.675 ± 1.575	20.625 ± 0.787	72.212	6.350 ± 0.381
GS	19.050 ± 0.787	79.375 ± 1.575	20.625 ± 0.787	84.912	6.350 ± 0.381
GT	19.050 ± 0.787	92.075 ± 1.575	20.625 ± 0.787	97.612	6.350 ± 0.381
HJ	22.225 ± 0.787	28.575 ± 1.575	23.800 ± 0.787	34.112	7.620 ± 0.381
HL	22.225 ± 0.787	66.675 ± 1.575	23.800 ± 0.787	72.212	7.620 ± 0.381
HP	22.225 ± 0.787	53.975 ± 1.575	23.800 ± 0.787	59.512	7.620 ± 0.381
HS	22.225 ± 0.787	92.075 ± 1.575	23.800 ± 0.787	97.612	7.620 ± 0.381
HT	22.225 ± 0.787	79.375 ± 1.575	23.800 ± 0.787	84.912	7.620 ± 0.381

DIMENSIONS in millimeters

CASE CODE	BARE CASE		OUTER INSULATION WITH POLYMER COATED END SEALS		LEAD SPACING
	D	L	D	L (max.)	S
JJ	25.400 ± 0.787	41.275 ± 1.575	26.975 ± 0.787	46.812	10.160 ± 0.381
JL	25.400 ± 0.787	53.975 ± 1.575	26.975 ± 0.787	59.512	10.160 ± 0.381
JP	25.400 ± 0.787	66.675 ± 1.575	26.975 ± 0.787	72.212	10.160 ± 0.381
JS	25.400 ± 0.787	79.375 ± 1.575	26.975 ± 0.787	84.912	10.160 ± 0.381
JT	25.400 ± 0.787	92.075 ± 1.575	26.975 ± 0.787	97.612	10.160 ± 0.381

DIMENSIONS AND AVAILABLE FORMS

$\frac{0.040}{1.016}$ Diameter (No. 18 AWG) - Case Diameter G,H,J

ELECTRICAL DATA

SYMBOL	DESCRIPTION
μF	rated capacitance
± %	F = 10 %, + 50 %
DC	voltage rating at 105 °C
GJ	see dimensions in millimeters table
7	termination

ORDERING EXAMPLE*

Electrolytic capacitor 604D series

604D 272 F 005 GJ 7

Nominal case size: Ø 20.625 × 46.812 mm

* Note: For lead (Pb)-free / RoHS compliant products add suffix "E3" to part number

Example: 604D272F005GJ7E3



Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Vishay:

[604D132F075JT7](#) [604D202G7R5GJ7](#) [604D362G030JS7](#) [604D572G025JT7](#) [604D850F200HJ7](#) [604D202G050JT7](#)
[604D202F050JT7](#) [604D321F200JT7](#) [604D701G030GJ7](#) [604D681F040GJ7](#) [604D272F010HJ7](#) [604D512G010JL7](#)
[604D512F010JL7](#) [604D172G010GJ7](#) [604D500F200GJ7](#) [604D502G005HL6](#) [604D332F7R5HJ7](#) [604D391F200JT7](#)
[604D122G020GJ7](#) [604D681F050HJ7](#)