

475TLS050M Datasheet

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DiGi Electronics Part Number	475TLS050M-DG
Manufacturer	Cornell Dubilier / Illinois Capacitor
Manufacturer Product Number	475TLS050M
Description	CAP ALUM 4.7UF 20% 50V AXIAL
Detailed Description	4.7 μ F 50 V Aluminum Electrolytic Capacitors Axial, Can 35.274Ohm @ 120Hz 2000 Hrs @ 85°C

This model 475TLS050M is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

475TLS050M

Series:

TLS

Capacitance:

4.7 μ F

Voltage - Rated:

50 V

Lifetime @ Temp.:

2000 Hrs @ 85°C

Polarization:

Polar

Applications:

General Purpose

Lead Spacing:

-

Height - Seated (Max):

-

Mounting Type:

Through Hole

Manufacturer:

Cornell Dubilier / Illinois Capacitor

Product Status:

Active

Tolerance:

\pm 20%

ESR (Equivalent Series Resistance):

35.2740 Ω @ 120Hz

Operating Temperature:

-40°C ~ 85°C

Ratings:

-

Ripple Current @ Low Frequency:

35 mA @ 120 Hz

Size / Dimension:

0.197" Dia x 0.512" L (5.00mm x 13.00mm)

Surface Mount Land Size:

-

Package / Case:

Axial, Can

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8532.22.0020

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99



Aluminum Electrolytic Capacitors

+85°C Low Leakage, Axial Lead

FEATURES

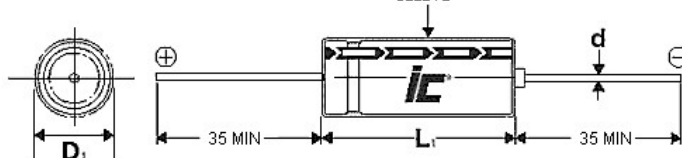
Small size - High voltage - General purpose

APPLICATIONS

Inverters – DC link – AC/DC motor controls – Solar inverters

Operating Temperature Range		-40°C to +85°C														
Capacitance Tolerance		±20% at 120 Hz, 20°C														
Surge Voltage	WVDC	10	16	25	35	50										
	SVDC	13	20	32	44	63										
Dissipation Factor	WVDC	10	16	25	35	50										
	Tan δ	.2	.16	.14	.12	.1										
Leakage Current		2 Minutes														
		.002CV or 0.4uA, Whichever is greater														
Low Temperature Stability Impedance Ratio (120 Hz)	WVDC	10	16	25	35	50										
	-25°C to +20°C	3	2	2	2	2										
	-40°C to +20°C	8	6	4	3	3										
Load Life		2000 hours at 105°C with rated WVDC and ripple current applied														
		Capacitance Change	≤20% of initial measured value													
		Dissipation Factor	≤150% of maximum specified value													
Shelf Life		1000 hours at 105°C with no voltage applied														
		Capacitance Change	≤20% initial measured value													
		Dissipation Factor	≤200% of maximum specified value													
Ripple Current Multipliers		Capacitance	Frequency (Hz)					Temperature (°C)								
		uF	50	120	400	1k	10k	50k	+85	+70	+60	+30				
		C≤10	.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8				
		10<C≤100	.8	1.0	1.23	1.36	1.48	1.53	1.0	1.3	1.5	1.8				

AXIAL LEAD 20V 50% RATED ALUMINUM CAPACITOR ILLINOIS CAPACITOR COMPANY 2020 12 21



D	5	6.3	8
d	0.5	0.5	0.6
B	0.5	0.5	0.5

L₁ = L + 1.0mm Max. mm
D₁ = D + B Max.

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