

Features

- X2 universal type
- RATED VOLTAGE
250V-310V
- RoHs compliance

EMI SUPPRESSION X2 CAPACITORS

RS Stock No: 0630929



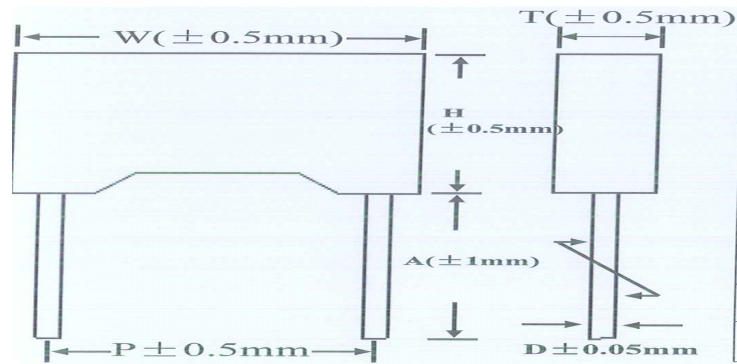
RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

- Used in communication equipment, switching power Supply... etc. Safety vent construction design

General Specifications

PRODUCT DIMENSIONS



JACKCON P/N	CAP. (uF)	Symbol	Tol. ±%	R.V. (VAC)	Dimensions in mm							Fig.	Notes
					W	H	T	P	S	φd	L		
					±1.0	±1.0	±1.0	±1.0	±1.0	±0.05	Min		
0630929	0.056	563	10	310	18.0	11.0	5.0	15.0	NA	0.8	15.0	1	

Mechanical Specifications

1. **RATED VOLTAGE** 310 VAC / UL 250 VAC, 50 ~ 60 Hz
2. **CAPACITANCE RANGE** 0.0047 μ F ~ 6.8 μ F
3. **CAPACITANCE TOLERANCE** J ($\pm$ 5%), K ($\pm$ 10%), M ($\pm$ 20%)
4. **DIELECTRIC** METALLIZED POLYPROPYLENE FILM
5. **DISSIPATION FACTOR TAN δ** LESS THAN 0.1% AT 1K Hz / 20 °C
6. **INSULATION RESISTANCE** BETWEEN TERMINALS
 - (1) LESS THAN OR EQUAL TO 0.33 μ F $\geq 3 \times 10^4$ M Ω
 - (2) GREATER THAN 0.33 μ F $\geq 1 \times 10^4$ M Ω $\cdot$ μ FMEASURED AT 250 $\pm$ 15 VDC, 60 SEC / 20 °C
7. **WITHSTAND VOLTAGE**
APPLIED 1,200 VAC, 60 Hz. OR 2,200 VDC FOR 1~2 SEC.
8. **CLIMATIC CATEGORY** IN ACCORDANCE WITH DIN 40040 GMF
 - G (MINIMUM LIMIT TEMPERATURE) = - 40 °C
 - M (MAXIMUM LIMIT TEMPERATURE) = +100 °C
 - F (HUMIDITY CATEGORY) = AVERAGE RELATIVE HUMIDITY $\leq$ 75%
95% FOR 30 DAYS PER YEAR CONTINUOUSLY
85% FOR THE REMAINING DAYS OCCASIONALLY

Electrical Specifications

IN ACCORDANCE WITH DIN 40046 SHEET 1 OR IEC 68-2-2 TEST BA. CONDITIONS
TEST TEMPERATURE : 100 $\pm$ 2 °C

TEST DURATION : 16 HOURS

TEST CRITERIA :

- (1) APPEARANCE : NO VISIBLE DAMAGE AND NO LEAKAGE
- (2) WITHSTAND VOLTAGE : 0.66 x RATED WITHSTAND VOLTAGE 60 SEC.
- (3) CAPACITANCE CHANGE : $\leq \pm$ 5% OF THE INITIAL VALUE
- (4) INSULATION RESISTANCE : $\geq$ 50% OF INITIAL SPECIFIED VALUE

COLD RESISTANCE

IN ACCORDANCE WITH DIN 40046 SHEET 1 OR IEC 68-2-1 TEST BA. CONDITIONS
TEST TEMPERATURE : -40 $\pm$ 2 °C

TEST DURATION : 2 HOURS

TEST CRITERIA :

- (1) APPEARANCE : NO VISIBLE DAMAGE
- (2) WITHSTAND VOLTAGE : 0.66 x RATED WITHSTAND VOLTAGE 60 SEC.
- (3) CAPACITANCE CHANGE : $\leq \pm$ 5% OF THE INITIAL VALUE

HUMIDITY TEST CONDITIONS

TEST TEMPERATURE : 40 °C ± 2 °C

RELATIVE HUMIDITY : 90 - 95%

TEST DURATION : 500 HOURS

TEST CRITERIA :

- (1) WITHSTAND VOLTAGE : 0.66 x RATED WITHSTAND VOLTAGE 60 SEC.
- (2) CAPACITANCE DRIFT : $\leq \pm 5\%$ OF THE INITIAL VALUE
- (3) DISSIPATION FACTOR : $\leq 200\%$ OF INITIAL SPECIFIED VALUE
- (4) INSULATION RESISTANCE : $\geq 50\%$ OF INITIAL SPECIFIED VALUE

LIFE TEST CONDITIONS

TEST TEMPERATURE : 100 °C ± 3 °C

TEST VOLTAGE : 440 VAC AND 1,000 VAC/60 HZ FOR A PERIOD OF 0.1 SEC.
ONCE EACH HOUR

TEST DURATION : 1,008 HOURS

TEST CRITERIA :

- (1) APPEARANCE : NO VISIBLE DAMAGE AND NO LEAKAGE
- (2) WITHSTAND VOLTAGE : 0.66 x RATED WITHSTAND VOLTAGE 60 SEC.
- (3) CAPACITANCE DRIFT : $\leq \pm 3\%$ OF THE INITIAL VALUE
- (4) DISSIPATION FACTOR : $\leq 0.6 \times 10$ (0.06%) OF INCREASED VALUE
- (5) INSULATION RESISTANCE : $\geq 50\%$ OF SPECIFIED VALUE

APPROVED BY

□

Related Standard		Certificate No	Approved Monogram
UL	UL 60384-14	E302125	 (USA)
ENEC	IEC60384-14:2013/AMD1:2016	40030283	 (EU)
VDE	IEC 60384-14:2013/AMD1:2016	40030283	 (Germany)

□

Related Standard		Certificate No	Approved Monogram
CQC	GB/T6346.14-2015	CQC13001096493	 (China)
KTL	KC60384-14(2015-09)	SU03034 (12001C-12004C) SU03034-17001A	 (South Korea)

Classification

UNSPSC (Version)	32121505
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Approvals

Standards Met	RoHs, REACH
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