

# **ELL-ATV330M Datasheet**



DiGi Electronics Part Number	ELL-ATV330M-DG
Manufacturer	Panasonic Electronic Components
Manufacturer Product Number	ELL-ATV330M
Description	FIXED IND 33UH 1.8A 62 MOHM SME
Detailed Description	33 µH Shielded Drum Core, Wirewo A 62mOhm Nonstandard

.8A 62 MOHM SMD rum Core, Wirewound Inductor 1.8

https://www.DiGi-Electronics.com



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.



### Purchase and inquiry

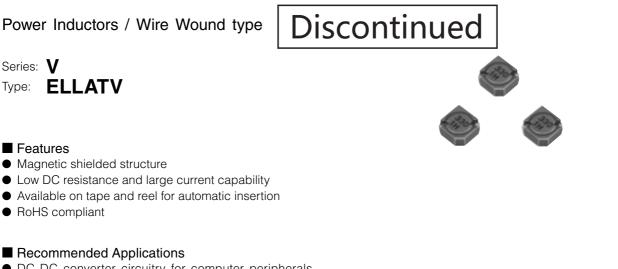
Manufacturer Product Number:	Manufacturer:
ELL-ATV330M	Panasonic Electronic Components
Series:	Product Status:
V	Obsolete
Туре:	Material - Core:
Drum Core, Wirewound	Ferrite
Inductance:	Tolerance:
33 µН	±20%
Current Rating (Amps):	Current - Saturation (Isat):
1.8 A	
Shielding:	DC Resistance (DCR):
Shielded	62mOhm
Q @ Freq:	Frequency - Self Resonant:
-	
Ratings:	Operating Temperature:
Inductance Frequency - Test:	Mounting Type:
100 kHz	Surface Mount
Package / Case:	Supplier Device Package:
Nonstandard	
Size / Dimension:	Height - Seated (Max):
0.394" L x 0.394" W (10.00mm x 10.00mm)	0.177" (4.50mm)
Base Product Number:	
ELL-ATV	

# Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):	
ROHS3 Compliant	1 (Unlimited)	
ECCN:	HTSUS:	
EAR99	8504.50.4000	

# **Panasonic**

#### **Choke Coils**



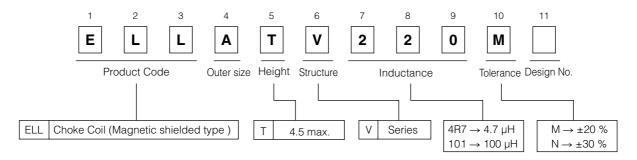
- DC-DC converter circuitry for computer peripherals
- and amusement equipment. • Chopper circuit decoupling chokes for DC-DC converter circuitry.

#### Standard Packing Quantity

• 500 pcs./Reel

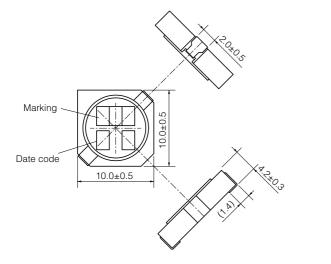
Soldering Conditions and Safety Precautions Please see Data Files

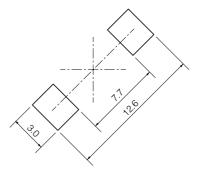
#### Explanation of Part Numbers



Dimensions in mm (not to scale)

Recommended Land Pattern in mm (not to scale)





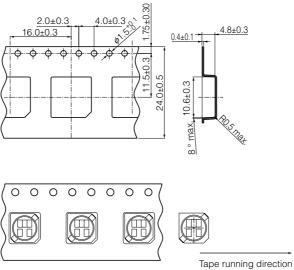
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

# Panason<u>ic</u> Discontinued

Standard Parts	DISCOL	lunuec	•			
Part No.	Inductance	Inductance (100 kHz)		RDC (at 20 °C)		Mortine
Part No.	(µH)	Tolerance	(mΩ)	Tolerance	Current (mA) max.	Marking
ELLATV1R5N	1.5		5.3		6700	1R5
ELLATV2R2N	2.2	±30 %	6.3		6200	2R2
ELLATV3R3N	3.3		8.8		5350	3R3
ELLATV4R3N	4.3		10		5000	4R3
ELLATV5R1N	5.1		14		4350	5R1
ELLATV6R8N	6.8		16	]	4000	6R8
ELLATV8R2N	8.2		18		3700	8R2
ELLATV100M	10.0		23		3300	100
ELLATV120M	12.0		25		2900	120
ELLATV150M	15.0		32		2800	150
ELLATV180M	18.0		38		2500	180
ELLATV220M	22.0		45	7	2200	220
ELLATV270M	27.0		56		2000	270
ELLATV330M	33.0		62		1800	330
ELLATV390M	39.0		74	±20 %	1600	390
ELLATV470M	47.0		94		1550	470
ELLATV560M	56.0		100		1350	560
ELLATV680M	68.0		130	7	1200	680
ELLATV820M	82.0	±20 %	150		1100	820
ELLATV101M	100.0		180	-	1000	101
ELLATV121M	120.0		190		840	121
ELLATV151M	150.0		250	-	780	151
ELLATV181M	180.0		320		750	181
ELLATV221M	220.0		360		700	221
ELLATV271M	270.0		460	]	600	271
ELLATV331M	330.0		550	1	550	331
ELLATV391M	390.0		690		520	391
ELLATV471M	470.0		780		470	471
ELLATV561M	560.0		820		390	561
ELLATV681M	680.0		1150		370	681
ELLATV821M	820.0	1 1	1270	1	340	821
ELLATV102M	1000.0	1 1	1750	1	320	102

\* Current: This indicates the value of current when the inductance is 70 % of nominal value or when the case temperature has risen 45 °C (at 20 °C)

#### Embossed Carrier Tape Dimensions in mm (not to scale)



Quantity 500 pcs./reel

### **Power Inductors**

#### ▲ Safety Precautions

anasonic

#### (Common precautions for Power Inductors / Wire Wound type)

- When using our products, no matter what sort of equipment they might be used for, be sure to make a written agreement on the specifications with us in advance. The design and specifications in this catalog are subject to change without prior notice.
- Do not use the products beyond the specifications described in this catalog.
- This catalog explains the quality and performance of the products as individual components. Before use, check and evaluate their operations when installed in your products.
- Install the following systems for a failsafe design to ensure safety if these products are to be used in equipment where a defect in these products may cause the loss of human life or other significant damage, such as damage to vehicles (automobile, train, vessel), traffic lights, medical equipment, aerospace equipment, electric heating appliances, combustion/gas equipment, rotating equipment, and disaster/crime prevention equipment.
- $\ensuremath{\boldsymbol{\ast}}$  Systems equipped with a protection circuit and a protection device
- \*Systems equipped with a redundant circuit or other system to prevent an unsafe status in the event of a single fault

#### $\triangle$ Precautions for use

#### 1. Operation range and environments

- ① These products are designed and manufactured for general and standard use in general electronic equipment (e.g. AV equipment, home electric appliances, office equipment, information and communication equipment)
- (2) These products are not intended for use in the following special conditions. Before using the products, carefully check the effects on their quality and performance, and determine whether or not they can be used.
  - In liquid, such as water, oil, chemicals, or organic solvent
  - In direct sunlight, outdoors, or in dust
  - In salty air or air with a high concentration of corrosive gas, such as Cl<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub>, SO<sub>2</sub>, or NO<sub>2</sub>
  - In an environment where these products cause dew condensation

#### 2. Handling

- ① Do not bring magnets or magnetized materials close to the product. The influence of their magnetic field can change the inductance value.
- ② Do not apply strong mechanical shocks by either dropping or collision with other parts. Excessive shock can damage the part.

#### 3. Washing of board

Kindly consult the Technical department before washing of the PWB with any cleansing agent, and provide the washing condition.

#### 4. Resoldering with a soldering iron

The temperature of the tip of the soldering iron should be 360 °C or less, 4 seconds. And resoldering with a soldering iron should be limited to 1 time, and after that should be cooling these.

#### 5. Mounting side

External force must be less than 5.0 [N] : while mounting.

#### 6. Storage conditions

Normal temperature (-5 to 35 °C), normal humidity (85 % RH max.), shall not be exposed to direct sunlight and harmful gases and care should be taken so as not to cause dew.

#### <Package markings>

Package markings include the product number, quantity, and country of origin. In principle, the country of origin should be indicated in English.



# **OUR CERTIFICATE**

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we striciy control the quality of products and services. Welcome your RFQ to Email: Info@DiGi-Electronics.com

DCI	DCI	DCI	
QUALITY MANAGEMENT SYSTEM	ENVIRONMENTAL MANAGEMENT SYSTEM	OCCUPATIONAL HEALTH & SAFETY	0428248
CERTIFICATE	CERTIFICATE	MANAGEMENT SYSTEM CERTIFICATE	CERTIFICATE OF INCORPORATION
DIGI ELECTRONICS HK LIMITED	DIGI ELECTRONICS HK LIMITED	DIGI ELECTRONICS HK LIMITED	A. A. B. A. B. W. Dentify weldy that
FLAT RENOS 1054, NO HANG COMMERCIAL CONTREL OVERTA NUCH STREET, MONGHO	PLATERALISE 25/7, HO HORD COMMERCIAL COMMERCIAL MATA YORK STREET, MONORO	PLATERALIS 25/7, HO HONG COMMITTING COMMITTING A MATA YORN STREET, MONORO	DELE REACTION OF A COMPANY OF
TLATING STAF. HO HAVE COMMERCIAL COLUMN 2 FIELD A TURN STREET, MCMORD	RAMEANING 2547, HO HONO COMMINICAL DI NERA VIEN STREET, INCHORO	RAMENDE 254, HO HING COMMITCIN, EN HER 2 NERA YARN STREET, MONGHO	
GB/T 19001-2016 kdt ISO9001:2015	GB/T 24001-2016 idt ISO14001:2015	GB/T45001-2020 idt ISO45001:2018	It is it is it is a start in the start in the start is a start in the start in the start is a start in the start in the start is a start in the start in the start is a start in the start in th
No file	for the	To the second of the second se	A=0 , $A=A=A=0$ , $A=0$ , $A=0$ , $C=0$ (Theoler 422 of the Laws of Hang Kong), and that this company is $X=A=0$ , $A=0$
			* Smith company.
	Indicational and Party and Indiana	terturinen Hill	farmed on 23 James 201.
endowthater bes. H. An HED Contraction Theory Contraction Theory	Mark 1991 Annu 1991 Mark 1991 Annu Annu Annu Annu Annu Annu Annu Ann	Interfactions fam Wilks 2001	Kin
000			●混合約51日の日本式を発展か MAABLE DEMO
			Perghanar of Companies Hung-Keng Special Administrative Region
Territoria de la 163 Centra la 164	Gentland inter H an Hit Gentland faith an Hit	Contract incursions: H. an. Mills Contract Party Security Security	4. Npm: 公司委員会司的政策改將:並不見不僅從了但公司並承兑其他的部分必須發展或各所 其他的意思報。
The state is a state of the sta	The adults areas of the indicates of the adult has been been been to reach the state of the adults are solved, seen of the or reach the adult has been adole provide a state of the origination of the adults and solved, seen of the origination of the state of the state of the origination of the adult has been adult and solved. The state of the	The states sense (1) is addressed of the states and particle sequences and not so under the states are obligations and it is addressed and addressed and particle sequences and the state and the states are obligations and the states and the states and the states are statestates are states are statestates are statestatestatestatestatesta	Pageteleter of a company same with the Companies Rigging takes not confer any tools main lights or any other Reliastual pagenty rights to request of the sampany, same or any part Remail.
Active second devices and a second device and a second second second	DEI Certification Ltd	Access for 12 for any has been been been been been and the second second	





Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.