

PRODUCT CODE • RADIAL HYBRID CONDUCTIVE POLYMER CAPACITORS



THT type example:

AT series • 47µF • 50V • ±20% • Ø 8mm • L 11.5mm • P 3.5mm • Tape Ammo • AEC-Q200

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A T		4 7 0			M	0 5 0			F	1 1 5			P	T D		X - - -			
Series		Capacitance			Capacitance tolerance	Voltage			Case Ø (mm)	Height (mm)			Type code	Taping / lead treatment *		Special requirement			
Code	µF	Code	%	Code		Volt	Code	H		Code	Type	Code		Pitch (mm)					
010	1	M	±20		016	16	E	6.3	080	8	P	TC	2.5	X	Special AEC-Q200				
4R7	4.7				025	25	F	8	090	9	TD	3.5							
100	10				035	35	G	10	100	10	TA	5							
101	100				040	40		115	11.5										
102	1000				050	50		125	12.5										
152	1500				063	63			160	16									
					080	80			180	18									
					100	100													
					250	250													
					400	400													

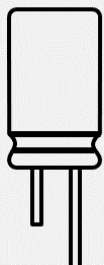
See datasheet for reference

* See chapter taping or lead treatment for further information
Please consult CapXon for further assistance

See datasheet for reference

MARKING • RADIAL HYBRID POLYMER CAPACITORS

Hybrid Polymer Capacitor • Radial type



CapXon: Manufacturer trademark
47: Nominal capacitance (µF)
50V: Rated voltage (V) • Standard type
50X: Rated voltage (V) • AEC-Q200 type
(-) polarity (Cathode indicate)

AT: AT Series
003: Production datacode year/week
(ex. 2020/3rd week)

Top view
Standard type



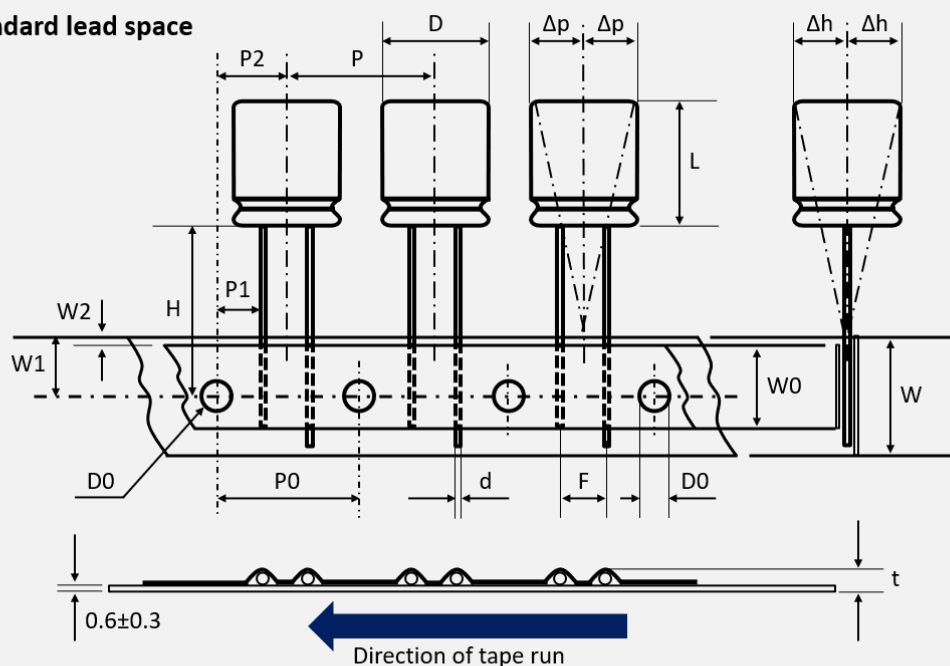
Top view
AEC-Q200 type



0 03
→ Production week
→ Last digit of the year

TAPING • RADIAL HYBRID POLYMER CAPACITORS • AMMO PACK

Taping • $\varnothing D \geq 6.3\text{mm}$ • standard lead space



Example

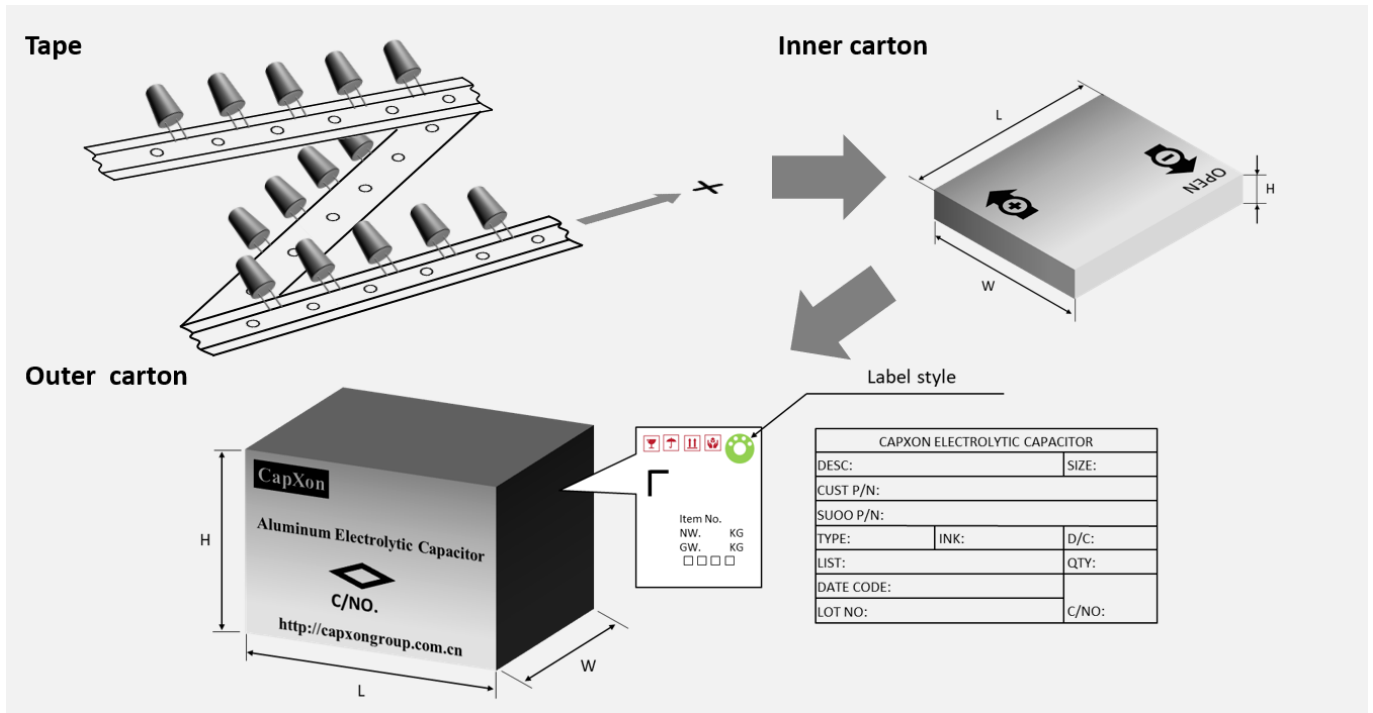
A	S	2 2 1	M	0 2 5	F	1 1 5	P	T D	- - - -
Series	Capacitance	Tolerance	Voltage	$\varnothing D$ (mm)	Height (mm)	Type code	Lead treatment	Special requirement	

All dimensions in mm

	D	L	d	P	P0	P1	P2	F	W	W0	W1	W2	H	D0	Δh	Δp	t	Code									
Tol	±0.5	-	±0.02	±1.0	±0.2	±0.7	±1.3	+0.4 -0.2	±0.5	±0.5	±0.5	Max	+0.75 -0.5	±0.2	Max	Max	Max										
Item	6.3	8 (±1)	0.6	12.7	12.7	5.1	6.35	2.5	18	11	9	2	18.5	4	1	1	1.5	TC									
	8	9 (±1.5)	0.6	12.7	12.7	4.6	6.35	3.5	18	11	9	2	18.5	4	1	1	1.5	TD									
		11.5 (±1.5)																									
	10	10 (±1.5)	0.8															3.85	6.35	5	18	11	9	2	18.5	4	1
		12.5 (±1.5)																									
		16 (±2)																									
		18 (±2)																									

The negative lead (cathode) is in the front, i.e. in the direction of tape run.

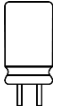
TAPING • RADIAL HYBRID POLYMER CAPACITORS • AMMO PACK



Ø D (mm)	Length L (mm)	Inner box quantity (pcs)	Inner box size L x W x H (mm)	Outer box quantity (pcs)	Outer box size L x W x H (mm)	Country of origin	Tariff number
6.3	8	1500	331 x 227 x 51	15000	474 x 343 x 285	China	85322200
8	9 to 11.5	800	331 x 227 x 51	8000	474 x 343 x 285	China	85322200
10	10 to 12.5	600	331 x 227 x 51	6000	474 x 343 x 285	China	85322200
	16	600	331 x 227 x 51	6000	474 x 343 x 285	China	85322200
	18	600	331 x 227 x 51	6000	474 x 343 x 285	China	85322200

**PACKAGING ▪ RADIAL HYBRID POLYMER CAPACITORS
STRAIGHT LEADS ▪ BULK PACK**

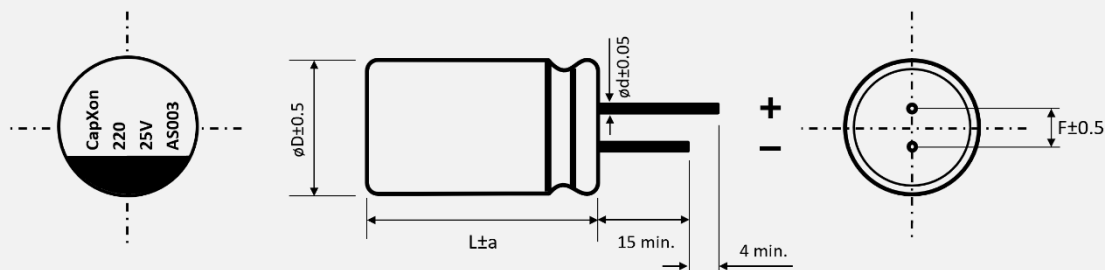

Ø D (mm)	Length L (mm)	Inner bag / Inner row (pcs)	Inner box quantity (pcs)	Inner box size L x W x H (mm)	Outer box quantity (pcs)	Outer box size L x W x H (mm)	Country of origin	Tariff number
6.3	8	600/bag	7200	295 x 181 x 222	7200	295 x 181 x 222	China	85322200
8	9	450/bag	5400	295 x 181 x 222	5400	295 x 181 x 222	China	85322200
	11.5	300/bag	3600	295 x 181 x 222	3600	295 x 181 x 222	China	85322200
10	10	300/bag	3600	295 x 181 x 222	3600	295 x 181 x 222	China	85322200
	12.5	200/bag	2400	295 x 181 x 222	2400	295 x 181 x 222	China	85322200
	16	200/bag	2400	295 x 181 x 222	2400	295 x 181 x 222	China	85322200
	18	150/bag	1800	295 x 181 x 222	1800	295 x 181 x 222	China	85322200

**PACKAGING ▪ RADIAL HYBRID POLYMER CAPACITORS
CUTTED LEADS ▪ BULK PACK**


Ø D (mm)	Length L (mm)	Inner bag / Inner row (pcs)	Inner box quantity (pcs)	Cutting height (mm)	Outer box quantity (pcs)	Outer carton quantity (pcs)	Country of origin	Tariff number
6.3	8	800/bag	800/box	≤ 7	9600	9600	China	85322200
8	9	600/bag	600/box	≤ 7	7200	7200	China	85322200
	11.5	500/bag	500/box	≤ 7	6000	6000	China	85322200
10	10	400/bag	400/box	≤ 7	4800	4800	China	85322200
	12.5	300/bag	300/box	≤ 7	3600	3600	China	85322200
	16	250/bag	250/box	≤ 7	3000	3000	China	85322200
	18	200/bag	200/box	≤ 7	2400	2400	China	85322200

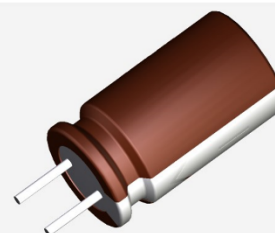
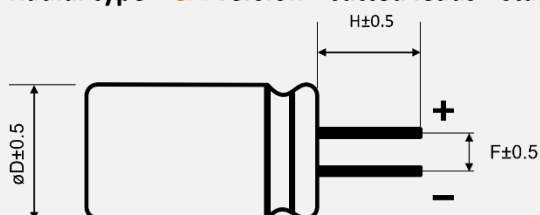
AVAILABLE LEAD TREATMENTS • RADIAL HYBRID POLYMER CAPACITORS

Radial type • standard lead spacing (all dimensions in mm)



$\varnothing D$ (mm)	L (mm)	a (mm)	F (mm)	$\varnothing d$ (mm)
6.3	8	1	2.5	0.6
8	9	1.5	3.5	0.6
8	11.5	1.5	3.5	0.6
10	10	1.5	5	0.6
10	12.5	1.5	5	0.8
10	16	2	5	0.8
10	18	2	5	0.8

Radial type • **CA** version • cutted leads • standard lead spacing



Example

Length „H“ customized. See product code table
customized lead length for further reference.

$\varnothing D$ (mm)	6.3	8	10
F (mm)	2.5	3.5	5

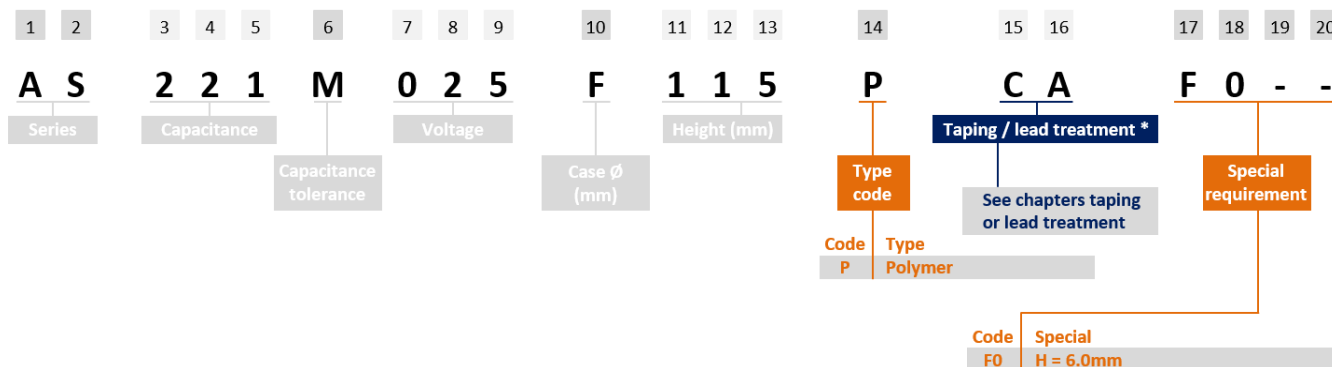
A	S	2 2 1	M	0 2 5	F	1 1 5	P	C A	- - - -
Series	Capacitance	Tolerance	Voltage	$\varnothing D$ (mm)	Height (mm)	Type code	Lead treatment	Special requirement	



PRODUCT CODE TABLE • CUSTOMIZED LEAD LENGTH

THT type example:

AS series ▪ 220μF ▪ 25V ▪ ±20% ▪ Ø 8mm ▪ L 11.5mm ▪ CA version, cutted leads ▪ P 3.5mm ▪ H 6.0mm
▪ Non-Automotive



Product code 17 th digit	H (mm)
A	1
B	2
C	3
D	4
E	5
F	6
G	7

Product code 18 th digit	H (mm)
0	0.0
1	0.1
2	0.2
3	0.3
4	0.4
5	0.5
6	0.6
7	0.7
8	0.8
9	0.9

Example H (mm)	Product code Non-Automotive
4.0	D0
4.5	D5
5.2	E2
6.0	F0

Example H (mm)	Product code Automotive
4.0	XD0
4.5	XD5
5.2	XE2
6.0	XF0

The 17th digit is according basic ordering of the Latin alphabet and shows the measure "H" in front of the decimal separator. The 18th digit follows the numbering from 0 to 9 and shows the measure "H" after the decimal separator.

Remark for Automotive version: In the case of an AEC-Q200 qualified component, the measure "H" in front of the decimal separator moves to the 18th digit and the measure "H" after the decimal separator to the 19th digit.