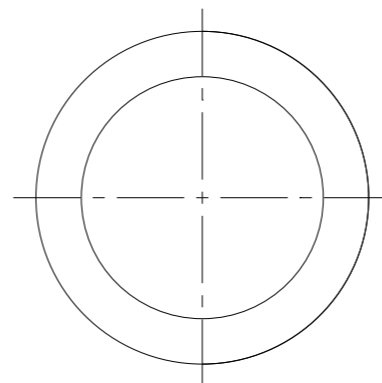
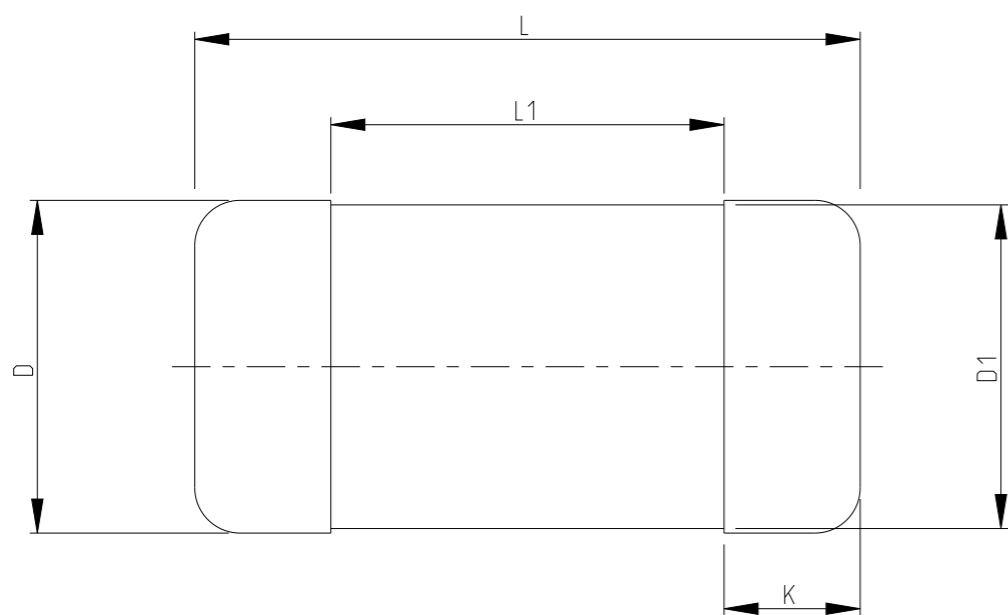
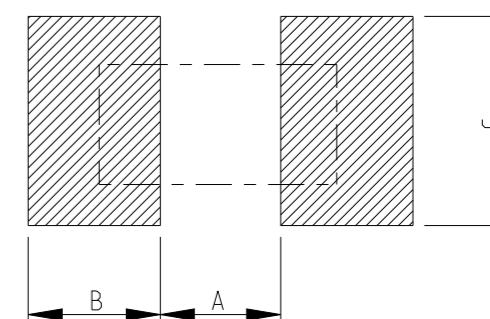


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP



FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

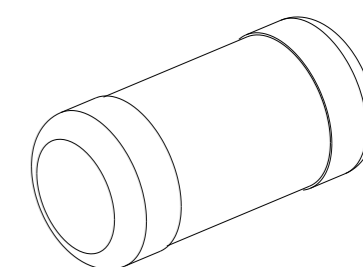
RECOMMENDED LAND PATTERN



TYPE	L (mm)	L1 min. (mm)	∅D (mm)	∅D1 (mm)	K (mm)	WEIGHT MG EA
SMA-Q 0102	2.2±0.1	1.1	1.1±0.1	D +0/-0.15	0.45±0.05	7.7

SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

RoHS Compliant



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DWN DHEERAJ M 22NOV2023

CHK TRACY G 22NOV2023

APVD ALLAN P 22NOV2023

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME METAL FILM PRECISION MELF RESISTORS  
AEC-Q200 QUALIFIED TYPE  
SMA-Q 0102 SERIES

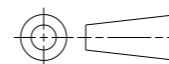
SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C=2176679

SCALE 40:1 SHEET 1 OF 3 REV BA

DIMENSIONS:  
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:



0 PLC ±0.2  
1 PLC ±0.1  
2 PLC ±  
3 PLC ±  
4 PLC ±  
ANGLES ±5°

MATERIAL

FINISH

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176679-1	SMA-Q0102PZR	MELF SMA-Q 0.2W ZEROHM 0102 2A	PRODUCTION
2176679-2	SMA-Q0102BTCP100R	MELF SMA-Q 100R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-3	SMA-Q0102BTCP102R	MELF SMA-Q 102R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-4	SMA-Q0102BTCP105R	MELF SMA-Q 105R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-5	SMA-Q0102BTCP107R	MELF SMA-Q 107R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-6	SMA-Q0102BTCP110R	MELF SMA-Q 110R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-7	SMA-Q0102BTCP113R	MELF SMA-Q 113R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-8	SMA-Q0102BTCP115R	MELF SMA-Q 115R 0.1% 25PPM 0102 0.2W	PRODUCTION
2176679-9	SMA-Q0102BTCP118R	MELF SMA-Q 118R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-0	SMA-Q0102BTCP121R	MELF SMA-Q 121R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-1	SMA-Q0102BTCP124R	MELF SMA-Q 124R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-2	SMA-Q0102BTCP127R	MELF SMA-Q 127R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-3	SMA-Q0102BTCP130R	MELF SMA-Q 130R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-4	SMA-Q0102BTCP133R	MELF SMA-Q 133R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-5	SMA-Q0102BTCP137R	MELF SMA-Q 137R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-6	SMA-Q0102BTCP140R	MELF SMA-Q 140R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-7	SMA-Q0102BTCP143R	MELF SMA-Q 143R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-8	SMA-Q0102BTCP147R	MELF SMA-Q 147R 0.1% 25PPM 0102 0.2W	PRODUCTION
1-2176679-9	SMA-Q0102BTCP150R	MELF SMA-Q 150R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-0	SMA-Q0102BTCP154R	MELF SMA-Q 154R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-1	SMA-Q0102BTCP158R	MELF SMA-Q 158R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-2	SMA-Q0102BTCP162R	MELF SMA-Q 162R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-3	SMA-Q0102BTCP165R	MELF SMA-Q 165R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-4	SMA-Q0102BTCP169R	MELF SMA-Q 169R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-5	SMA-Q0102BTCP174R	MELF SMA-Q 174R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-6	SMA-Q0102BTCP178R	MELF SMA-Q 178R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-7	SMA-Q0102BTCP182R	MELF SMA-Q 182R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-8	SMA-Q0102BTCP187R	MELF SMA-Q 187R 0.1% 25PPM 0102 0.2W	PRODUCTION
2-2176679-9	SMA-Q0102BTCP191R	MELF SMA-Q 191R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-0	SMA-Q0102BTCP196R	MELF SMA-Q 196R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-1	SMA-Q0102BTCP200R	MELF SMA-Q 200R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-2	SMA-Q0102BTCP205R	MELF SMA-Q 205R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-3	SMA-Q0102BTCP210R	MELF SMA-Q 210R 0.1% 25PPM 0102 0.2W	PRODUCTION

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176679-4	SMA-Q0102BTCP215R	MELF SMA-Q 215R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-5	SMA-Q0102BTCP221R	MELF SMA-Q 221R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-6	SMA-Q0102BTCP226R	MELF SMA-Q 226R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-7	SMA-Q0102BTCP232R	MELF SMA-Q 232R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-8	SMA-Q0102BTCP237R	MELF SMA-Q 237R 0.1% 25PPM 0102 0.2W	PRODUCTION
3-2176679-9	SMA-Q0102BTCP243R	MELF SMA-Q 243R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-0	SMA-Q0102BTCP249R	MELF SMA-Q 249R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-1	SMA-Q0102BTCP255R	MELF SMA-Q 255R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-2	SMA-Q0102BTCP261R	MELF SMA-Q 261R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-3	SMA-Q0102BTCP267R	MELF SMA-Q 267R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-4	SMA-Q0102BTCP274R	MELF SMA-Q 274R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-5	SMA-Q0102BTCP280R	MELF SMA-Q 280R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-6	SMA-Q0102BTCP287R	MELF SMA-Q 287R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-7	SMA-Q0102BTCP294R	MELF SMA-Q 294R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-8	SMA-Q0102BTCP301R	MELF SMA-Q 301R 0.1% 25PPM 0102 0.2W	PRODUCTION
4-2176679-9	SMA-Q0102BTCP309R	MELF SMA-Q 309R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-0	SMA-Q0102BTCP316R	MELF SMA-Q 316R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-1	SMA-Q0102BTCP324R	MELF SMA-Q 324R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-2	SMA-Q0102BTCP332R	MELF SMA-Q 332R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-3	SMA-Q0102BTCP340R	MELF SMA-Q 340R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-4	SMA-Q0102BTCP348R	MELF SMA-Q 348R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-5	SMA-Q0102BTCP357R	MELF SMA-Q 357R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-6	SMA-Q0102BTCP365R	MELF SMA-Q 365R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-7	SMA-Q0102BTCP374R	MELF SMA-Q 374R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-8	SMA-Q0102BTCP383R	MELF SMA-Q 383R 0.1% 25PPM 0102 0.2W	PRODUCTION
5-2176679-9	SMA-Q0102BTCP392R	MELF SMA-Q 392R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-0	SMA-Q0102BTCP402R	MELF SMA-Q 402R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-1	SMA-Q0102BTCP412R	MELF SMA-Q 412R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-2	SMA-Q0102BTCP422R	MELF SMA-Q 422R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-3	SMA-Q0102BTCP432R	MELF SMA-Q 432R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-4	SMA-Q0102BTCP442R	MELF SMA-Q 442R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-5	SMA-Q0102BTCP453R	MELF SMA-Q 453R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-6	SMA-Q0102BTCP464R	MELF SMA-Q 464R 0.1% 25PPM 0102 0.2W	PRODUCTION

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APVD ALLAN P 22NOV2023

PRODUCT SPEC

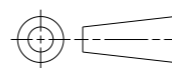
APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±0.2
1 PLC	±0.1
2 PLC	±
3 PLC	±
4 PLC	±
ANGLES	±5°
FINISH	-

MATERIAL

-



TE Connectivity

METAL FILM PRECISION MELF RESISTORS  
AEC-Q200 QUALIFIED TYPE  
SMA-Q 0102 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2176679

SCALE 40:1 SHEET 2 OF 3 REV BA

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176679-7	SMA-Q0102BTCP475R	MELF SMA-Q 475R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-8	SMA-Q0102BTCP487R	MELF SMA-Q 487R 0.1% 25PPM 0102 0.2W	PRODUCTION
6-2176679-9	SMA-Q0102BTCP499R	MELF SMA-Q 499R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-0	SMA-Q0102BTCP511R	MELF SMA-Q 511R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-1	SMA-Q0102BTCP523R	MELF SMA-Q 523R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-2	SMA-Q0102BTCP536R	MELF SMA-Q 536R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-3	SMA-Q0102BTCP549R	MELF SMA-Q 549R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-4	SMA-Q0102BTCP562R	MELF SMA-Q 562R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-5	SMA-Q0102BTCP576R	MELF SMA-Q 576R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-6	SMA-Q0102BTCP590R	MELF SMA-Q 590R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-7	SMA-Q0102BTCP604R	MELF SMA-Q 604R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-8	SMA-Q0102BTCP619R	MELF SMA-Q 619R 0.1% 25PPM 0102 0.2W	PRODUCTION
7-2176679-9	SMA-Q0102BTCP634R	MELF SMA-Q 634R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-0	SMA-Q0102BTCP649R	MELF SMA-Q 649R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-1	SMA-Q0102BTCP665R	MELF SMA-Q 665R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-2	SMA-Q0102BTCP681R	MELF SMA-Q 681R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-3	SMA-Q0102BTCP698R	MELF SMA-Q 698R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-4	SMA-Q0102BTCP715R	MELF SMA-Q 715R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-5	SMA-Q0102BTCP732R	MELF SMA-Q 732R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-6	SMA-Q0102BTCP750R	MELF SMA-Q 750R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-7	SMA-Q0102BTCP768R	MELF SMA-Q 768R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-8	SMA-Q0102BTCP787R	MELF SMA-Q 787R 0.1% 25PPM 0102 0.2W	PRODUCTION
8-2176679-9	SMA-Q0102BTCP806R	MELF SMA-Q 806R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-0	SMA-Q0102BTCP825R	MELF SMA-Q 825R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-1	SMA-Q0102BTCP845R	MELF SMA-Q 845R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-2	SMA-Q0102BTCP866R	MELF SMA-Q 866R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-3	SMA-Q0102BTCP887R	MELF SMA-Q 887R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-4	SMA-Q0102BTCP909R	MELF SMA-Q 909R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-5	SMA-Q0102BTCP931R	MELF SMA-Q 931R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-6	SMA-Q0102BTCP953R	MELF SMA-Q 953R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-7	SMA-Q0102BTCP976R	MELF SMA-Q 976R 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-8	SMA-Q0102BTCP1K0	MELF SMA-Q 1K0 0.1% 25PPM 0102 0.2W	PRODUCTION
9-2176679-9	SMA-Q0102BTCP1K02	MELF SMA-Q 1K02 0.1% 25PPM 0102 0.2W	PRODUCTION

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APVD ALLAN P 22NOV2023

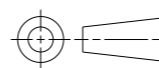
PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

DIMENSIONS:  
mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

- 0 PLC ±0.2
- 1 PLC ±0.1
- 2 PLC ±
- 3 PLC ±
- 4 PLC ±
- ANGLES ±5°
- FINISH -

MATERIAL -



TE Connectivity

NAME METAL FILM PRECISION MELF RESISTORS  
AEC-Q200 QUALIFIED TYPE  
SMA-Q 0102 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2176679

SCALE 40:1 SHEET 3 OF 3 REV BA