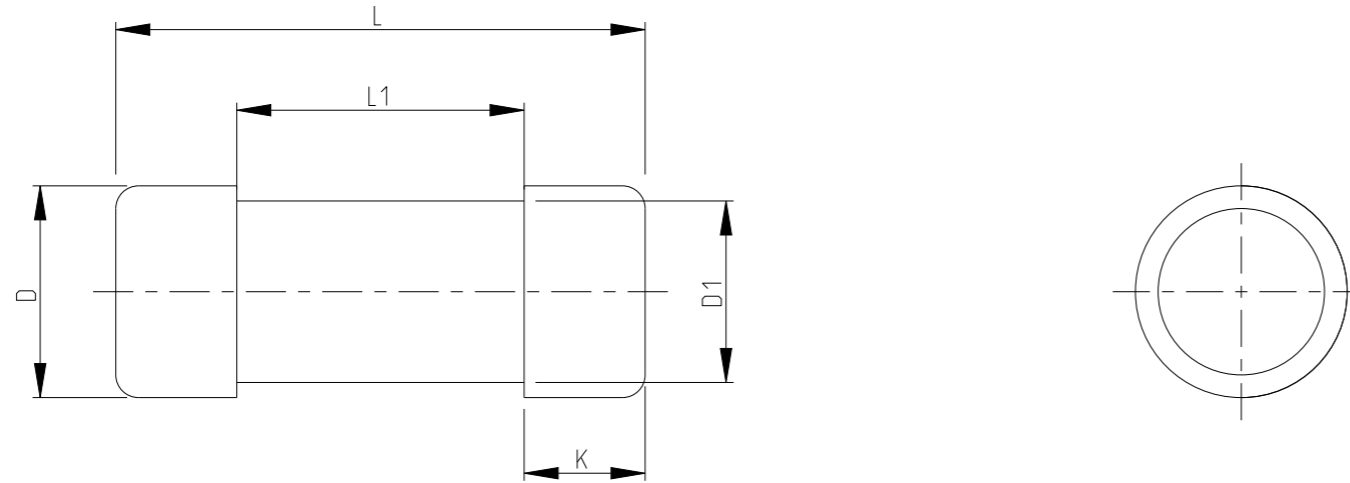
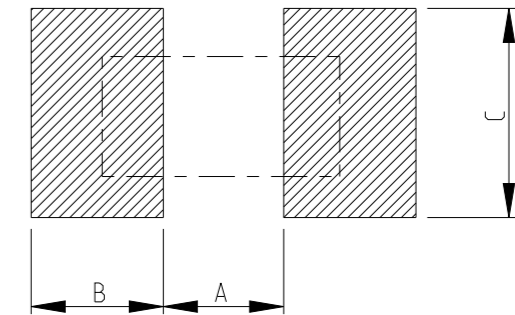


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

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



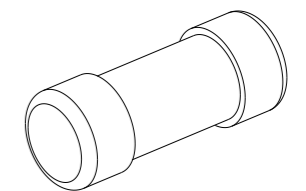
RECOMMENDED LAND PATTERN



TYPE	L (mm)	L1 min. (mm)	∅D (mm)	∅D1 (mm)	K (mm)	WEIGHT MG EA
SMA-Q 0204	3.5 ± 0.2	1.7	1.4 ± 0.15	D +0/-0.2	0.8 ± 0.1	18.7

SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0204	1.6	1.2	1.6

RoHS Compliant



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M 22NOV2023												
DIMENSIONS: mm		CHK TRACY G 22NOV2023												
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD ALLAN P 22NOV2023												
<table border="1"> <tr> <td>0 PLC</td> <td>±0.2</td> </tr> <tr> <td>1 PLC</td> <td>±0.1</td> </tr> <tr> <td>2 PLC</td> <td>±</td> </tr> <tr> <td>3 PLC</td> <td>±</td> </tr> <tr> <td>4 PLC</td> <td>±</td> </tr> <tr> <td>ANGLES</td> <td>±5°</td> </tr> </table>		0 PLC				±0.2	1 PLC	±0.1	2 PLC	±	3 PLC	±	4 PLC	±
0 PLC	±0.2													
1 PLC	±0.1													
2 PLC	±													
3 PLC	±													
4 PLC	±													
ANGLES	±5°													
MATERIAL -		FINISH -	APPLICATION SPEC -	NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0204 SERIES										
		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C=2176691									
CUSTOMER DRAWING			SCALE 20:1	SHEET 1 OF 3	RESTRICTED TO -									
			REV BA											

REVISIONS

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

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176691-1	SMA-Q0204BTCV12K1	MELF SMA-Q 12K1 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-2	SMA-Q0204BTCV12K4	MELF SMA-Q 12K4 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-3	SMA-Q0204BTCV12K7	MELF SMA-Q 12K7 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-4	SMA-Q0204BTCV13K	MELF SMA-Q 13K 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-5	SMA-Q0204BTCV13K3	MELF SMA-Q 13K3 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-6	SMA-Q0204BTCV13K7	MELF SMA-Q 13K7 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-7	SMA-Q0204BTCV14K	MELF SMA-Q 14K 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-8	SMA-Q0204BTCV14K3	MELF SMA-Q 14K3 0.1% 25PPM 0204 0.25W	PRODUCTION
2176691-9	SMA-Q0204BTCV14K7	MELF SMA-Q 14K7 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-0	SMA-Q0204BTCV15K	MELF SMA-Q 15K 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-1	SMA-Q0204BTCV15K4	MELF SMA-Q 15K4 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-2	SMA-Q0204BTCV15K8	MELF SMA-Q 15K8 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-3	SMA-Q0204BTCV16K2	MELF SMA-Q 16K2 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-4	SMA-Q0204BTCV16K5	MELF SMA-Q 16K5 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-5	SMA-Q0204BTCV16K9	MELF SMA-Q 16K9 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-6	SMA-Q0204BTCV17K4	MELF SMA-Q 17K4 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-7	SMA-Q0204BTCV17K8	MELF SMA-Q 17K8 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-8	SMA-Q0204BTCV18K2	MELF SMA-Q 18K2 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176691-9	SMA-Q0204BTCV18K7	MELF SMA-Q 18K7 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-0	SMA-Q0204BTCV19K1	MELF SMA-Q 19K1 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-1	SMA-Q0204BTCV19K6	MELF SMA-Q 19K6 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-2	SMA-Q0204BTCV20K	MELF SMA-Q 20K 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-3	SMA-Q0204BTCV20K5	MELF SMA-Q 20K5 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-4	SMA-Q0204BTCV21K	MELF SMA-Q 21K 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-5	SMA-Q0204BTCV21K5	MELF SMA-Q 21K5 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-6	SMA-Q0204BTCV22K1	MELF SMA-Q 22K1 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-7	SMA-Q0204BTCV22K6	MELF SMA-Q 22K6 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-8	SMA-Q0204BTCV23K2	MELF SMA-Q 23K2 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176691-9	SMA-Q0204BTCV23K7	MELF SMA-Q 23K7 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-0	SMA-Q0204BTCV24K3	MELF SMA-Q 24K3 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-1	SMA-Q0204BTCV24K9	MELF SMA-Q 24K9 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-2	SMA-Q0204BTCV25K5	MELF SMA-Q 25K5 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-3	SMA-Q0204BTCV26K1	MELF SMA-Q 26K1 0.1% 25PPM 0204 0.25W	PRODUCTION

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176691-4	SMA-Q0204BTCV26K7	MELF SMA-Q 26K7 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-5	SMA-Q0204BTCV27K4	MELF SMA-Q 27K4 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-6	SMA-Q0204BTCV28K	MELF SMA-Q 28K 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-7	SMA-Q0204BTCV28K7	MELF SMA-Q 28K7 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-8	SMA-Q0204BTCV29K4	MELF SMA-Q 29K4 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176691-9	SMA-Q0204BTCV30K1	MELF SMA-Q 30K1 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-0	SMA-Q0204BTCV30K9	MELF SMA-Q 30K9 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-1	SMA-Q0204BTCV31K6	MELF SMA-Q 31K6 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-2	SMA-Q0204BTCV32K4	MELF SMA-Q 32K4 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-3	SMA-Q0204BTCV33K2	MELF SMA-Q 33K2 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-4	SMA-Q0204BTCV34K	MELF SMA-Q 34K 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-5	SMA-Q0204BTCV34K8	MELF SMA-Q 34K8 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-6	SMA-Q0204BTCV35K7	MELF SMA-Q 35K7 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-7	SMA-Q0204BTCV36K5	MELF SMA-Q 36K5 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-8	SMA-Q0204BTCV37K4	MELF SMA-Q 37K4 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176691-9	SMA-Q0204BTCV38K3	MELF SMA-Q 38K3 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-0	SMA-Q0204BTCV39K2	MELF SMA-Q 39K2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-1	SMA-Q0204BTCV40K2	MELF SMA-Q 40K2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-2	SMA-Q0204BTCV41K2	MELF SMA-Q 41K2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-3	SMA-Q0204BTCV42K2	MELF SMA-Q 42K2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-4	SMA-Q0204BTCV43K2	MELF SMA-Q 43K2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-5	SMA-Q0204BTCV44K2	MELF SMA-Q 44K2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-6	SMA-Q0204BTCV45K3	MELF SMA-Q 45K3 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-7	SMA-Q0204BTCV46K4	MELF SMA-Q 46K4 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-8	SMA-Q0204BTCV47K5	MELF SMA-Q 47K5 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176691-9	SMA-Q0204BTCV48K7	MELF SMA-Q 48K7 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-0	SMA-Q0204BTCV49K9	MELF SMA-Q 49K9 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-1	SMA-Q0204BTCV51K1	MELF SMA-Q 51K1 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-2	SMA-Q0204BTCV52K3	MELF SMA-Q 52K3 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-3	SMA-Q0204BTCV53K6	MELF SMA-Q 53K6 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-4	SMA-Q0204BTCV54K9	MELF SMA-Q 54K9 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-5	SMA-Q0204BTCV56K2	MELF SMA-Q 56K2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-6	SMA-Q0204BTCV57K6	MELF SMA-Q 57K6 0.1% 25PPM 0204 0.25W	PRODUCTION

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DWN DHEERAJ M 22NOV2023

CHK TRACY G 22NOV2023

APVD ALLAN P 22NOV2023

PRODUCT SPEC

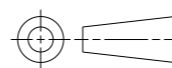
APPLICATION SPEC

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°

MATERIAL

FINISH



TE Connectivity

NAME METAL FILM PRECISION MELF RESISTORS
AEC-Q200 QUALIFIED TYPE
SMA-Q 0204 SERIES

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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A3	00779	©-2176691	-
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SCALE 40:1	SHEET 2 OF 3	REV BA
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REVISIONS

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

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176691-7	SMA-Q0204BTCV59K	MELF SMA-Q 59K 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-8	SMA-Q0204BTCV60K4	MELF SMA-Q 60K4 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176691-9	SMA-Q0204BTCV61K9	MELF SMA-Q 61K9 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-0	SMA-Q0204BTCV63K4	MELF SMA-Q 63K4 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-1	SMA-Q0204BTCV64K9	MELF SMA-Q 64K9 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-2	SMA-Q0204BTCV66K5	MELF SMA-Q 66K5 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-3	SMA-Q0204BTCV68K1	MELF SMA-Q 68K1 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-4	SMA-Q0204BTCV69K8	MELF SMA-Q 69K8 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-5	SMA-Q0204BTCV71K5	MELF SMA-Q 71K5 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-6	SMA-Q0204BTCV73K2	MELF SMA-Q 73K2 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-7	SMA-Q0204BTCV75K	MELF SMA-Q 75K 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-8	SMA-Q0204BTCV76K8	MELF SMA-Q 76K8 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176691-9	SMA-Q0204BTCV78K7	MELF SMA-Q 78K7 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-0	SMA-Q0204BTCV80K6	MELF SMA-Q 80K6 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-1	SMA-Q0204BTCV82K5	MELF SMA-Q 82K5 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-2	SMA-Q0204BTCV84K5	MELF SMA-Q 84K5 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-3	SMA-Q0204BTCV86K6	MELF SMA-Q 86K6 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-4	SMA-Q0204BTCV88K7	MELF SMA-Q 88K7 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-5	SMA-Q0204BTCV90K9	MELF SMA-Q 90K9 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-6	SMA-Q0204BTCV93K1	MELF SMA-Q 93K1 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-7	SMA-Q0204BTCV95K3	MELF SMA-Q 95K3 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-8	SMA-Q0204BTCV97K6	MELF SMA-Q 97K6 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176691-9	SMA-Q0204BTCV100K	MELF SMA-Q 100K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-0	SMA-Q0204BTCV102K	MELF SMA-Q 102K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-1	SMA-Q0204BTCV105K	MELF SMA-Q 105K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-2	SMA-Q0204BTCV107K	MELF SMA-Q 107K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-3	SMA-Q0204BTCV110K	MELF SMA-Q 110K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-4	SMA-Q0204BTCV113K	MELF SMA-Q 113K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-5	SMA-Q0204BTCV115K	MELF SMA-Q 115K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-6	SMA-Q0204BTCV118K	MELF SMA-Q 118K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-7	SMA-Q0204BTCV121K	MELF SMA-Q 121K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-8	SMA-Q0204BTCV124K	MELF SMA-Q 124K 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176691-9	SMA-Q0204BTCV127K	MELF SMA-Q 127K 0.1% 25PPM 0204 0.25W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN DHEERAJ M 22NOV2023

CHK TRACY G 22NOV2023

APVD ALLAN P 22NOV2023

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



TE Connectivity

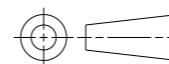
NAME METAL FILM PRECISION MELF RESISTORS
AEC-Q200 QUALIFIED TYPE
SMA-Q 0204 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C=2176691

SCALE 20:1 SHEET 3 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