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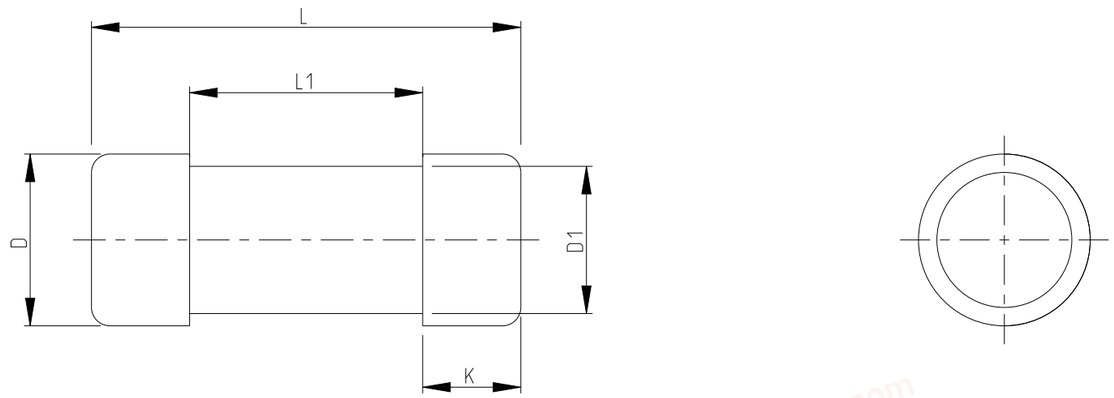
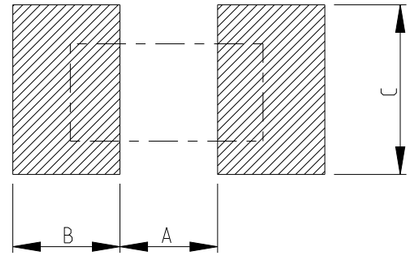
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

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



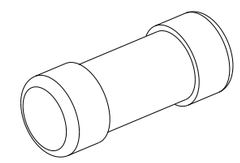
RECOMMENDED LAND PATTERN



TYPE	L (mm)	L1 min. (mm)	ØD (mm)	ØD1 (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.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL: -, -

FINISH: -, -

DWN	DHEERAJ M 22NOV2023
CHK	TRACY G 22NOV2023
APVD	ALLAN P 22NOV2023
PRODUCT SPEC	-
APPLICATION SPEC	-
WEIGHT	-

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2176661	-

CUSTOMER DRAWING | SCALE 20:1 | SHEET 1 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
2176661-1	SMA-Q0204FTDX13K3	MELF SMA-Q 13K3 1% 50PPM 0204 0.4W	PRODUCTION
2176661-2	SMA-Q0204FTDX13K7	MELF SMA-Q 13K7 1% 50PPM 0204 0.4W	PRODUCTION
2176661-3	SMA-Q0204FTDX14K	MELF SMA-Q 14K 1% 50PPM 0204 0.4W	PRODUCTION
2176661-4	SMA-Q0204FTDX14K3	MELF SMA-Q 14K3 1% 50PPM 0204 0.4W	PRODUCTION
2176661-5	SMA-Q0204FTDX14K7	MELF SMA-Q 14K7 1% 50PPM 0204 0.4W	PRODUCTION
2176661-6	SMA-Q0204FTDX15K	MELF SMA-Q 15K 1% 50PPM 0204 0.4W	PRODUCTION
2176661-7	SMA-Q0204FTDX15K4	MELF SMA-Q 15K4 1% 50PPM 0204 0.4W	PRODUCTION
2176661-8	SMA-Q0204FTDX15K8	MELF SMA-Q 15K8 1% 50PPM 0204 0.4W	PRODUCTION
2176661-9	SMA-Q0204FTDX16K2	MELF SMA-Q 16K2 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-0	SMA-Q0204FTDX16K5	MELF SMA-Q 16K5 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-1	SMA-Q0204FTDX16K9	MELF SMA-Q 16K9 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-2	SMA-Q0204FTDX17K4	MELF SMA-Q 17K4 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-3	SMA-Q0204FTDX17K8	MELF SMA-Q 17K8 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-4	SMA-Q0204FTDX18K2	MELF SMA-Q 18K2 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-5	SMA-Q0204FTDX18K7	MELF SMA-Q 18K7 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-6	SMA-Q0204FTDX19K1	MELF SMA-Q 19K1 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-7	SMA-Q0204FTDX19K6	MELF SMA-Q 19K6 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-8	SMA-Q0204FTDX20K	MELF SMA-Q 20K 1% 50PPM 0204 0.4W	PRODUCTION
1-2176661-9	SMA-Q0204FTDX20K5	MELF SMA-Q 20K5 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-0	SMA-Q0204FTDX21K	MELF SMA-Q 21K 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-1	SMA-Q0204FTDX21K5	MELF SMA-Q 21K5 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-2	SMA-Q0204FTDX22K1	MELF SMA-Q 22K1 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-3	SMA-Q0204FTDX22K6	MELF SMA-Q 22K6 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-4	SMA-Q0204FTDX23K2	MELF SMA-Q 23K2 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-5	SMA-Q0204FTDX23K7	MELF SMA-Q 23K7 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-6	SMA-Q0204FTDX24K3	MELF SMA-Q 24K3 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-7	SMA-Q0204FTDX24K9	MELF SMA-Q 24K9 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-8	SMA-Q0204FTDX25K5	MELF SMA-Q 25K5 1% 50PPM 0204 0.4W	PRODUCTION
2-2176661-9	SMA-Q0204FTDX26K1	MELF SMA-Q 26K1 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-0	SMA-Q0204FTDX26K7	MELF SMA-Q 26K7 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-1	SMA-Q0204FTDX27K4	MELF SMA-Q 27K4 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-2	SMA-Q0204FTDX28K	MELF SMA-Q 28K 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-3	SMA-Q0204FTDX28K7	MELF SMA-Q 28K7 1% 50PPM 0204 0.4W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176661-4	SMA-Q0204FTDX29K4	MELF SMA-Q 29K4 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-5	SMA-Q0204FTDX30K1	MELF SMA-Q 30K1 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-6	SMA-Q0204FTDX30K9	MELF SMA-Q 30K9 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-7	SMA-Q0204FTDX31K6	MELF SMA-Q 31K6 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-8	SMA-Q0204FTDX32K4	MELF SMA-Q 32K4 1% 50PPM 0204 0.4W	PRODUCTION
3-2176661-9	SMA-Q0204FTDX33K2	MELF SMA-Q 33K2 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-0	SMA-Q0204FTDX34K	MELF SMA-Q 34K 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-1	SMA-Q0204FTDX34K8	MELF SMA-Q 34K8 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-2	SMA-Q0204FTDX35K7	MELF SMA-Q 35K7 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-3	SMA-Q0204FTDX36K5	MELF SMA-Q 36K5 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-4	SMA-Q0204FTDX37K4	MELF SMA-Q 37K4 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-5	SMA-Q0204FTDX38K3	MELF SMA-Q 38K3 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-6	SMA-Q0204FTDX39K2	MELF SMA-Q 39K2 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-7	SMA-Q0204FTDX40K2	MELF SMA-Q 40K2 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-8	SMA-Q0204FTDX41K2	MELF SMA-Q 41K2 1% 50PPM 0204 0.4W	PRODUCTION
4-2176661-9	SMA-Q0204FTDX42K2	MELF SMA-Q 42K2 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-0	SMA-Q0204FTDX43K2	MELF SMA-Q 43K2 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-1	SMA-Q0204FTDX44K2	MELF SMA-Q 44K2 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-2	SMA-Q0204FTDX45K3	MELF SMA-Q 45K3 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-3	SMA-Q0204FTDX46K4	MELF SMA-Q 46K4 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-4	SMA-Q0204FTDX47K5	MELF SMA-Q 47K5 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-5	SMA-Q0204FTDX48K7	MELF SMA-Q 48K7 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-6	SMA-Q0204FTDX49K9	MELF SMA-Q 49K9 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-7	SMA-Q0204FTDX51K1	MELF SMA-Q 51K1 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-8	SMA-Q0204FTDX52K3	MELF SMA-Q 52K3 1% 50PPM 0204 0.4W	PRODUCTION
5-2176661-9	SMA-Q0204FTDX53K6	MELF SMA-Q 53K6 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-0	SMA-Q0204FTDX54K9	MELF SMA-Q 54K9 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-1	SMA-Q0204FTDX56K2	MELF SMA-Q 56K2 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-2	SMA-Q0204FTDX57K6	MELF SMA-Q 57K6 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-3	SMA-Q0204FTDX59K	MELF SMA-Q 59K 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-4	SMA-Q0204FTDX60K4	MELF SMA-Q 60K4 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-5	SMA-Q0204FTDX61K9	MELF SMA-Q 61K9 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-6	SMA-Q0204FTDX63K4	MELF SMA-Q 63K4 1% 50PPM 0204 0.4W	PRODUCTION

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.2
1 PLC ±0.1
2 PLC ±-
3 PLC ±-
4 PLC ±-
ANGLES ±5°

MATERIAL -
-

FINISH -
-

DWN DHEERAJ M 22NOV2023
CHK TRACY G 22NOV2023
APVD ALLAN P 22NOV2023
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2176661	-

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

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176661-7	SMA-Q0204FTDX64K9	MELF SMA-Q 64K9 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-8	SMA-Q0204FTDX66K5	MELF SMA-Q 66K5 1% 50PPM 0204 0.4W	PRODUCTION
6-2176661-9	SMA-Q0204FTDX68K1	MELF SMA-Q 68K1 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-0	SMA-Q0204FTDX69K8	MELF SMA-Q 69K8 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-1	SMA-Q0204FTDX71K5	MELF SMA-Q 71K5 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-2	SMA-Q0204FTDX73K2	MELF SMA-Q 73K2 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-3	SMA-Q0204FTDX75K	MELF SMA-Q 75K 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-4	SMA-Q0204FTDX76K8	MELF SMA-Q 76K8 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-5	SMA-Q0204FTDX78K7	MELF SMA-Q 78K7 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-6	SMA-Q0204FTDX80K6	MELF SMA-Q 80K6 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-7	SMA-Q0204FTDX82K5	MELF SMA-Q 82K5 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-8	SMA-Q0204FTDX84K5	MELF SMA-Q 84K5 1% 50PPM 0204 0.4W	PRODUCTION
7-2176661-9	SMA-Q0204FTDX86K6	MELF SMA-Q 86K6 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-0	SMA-Q0204FTDX88K7	MELF SMA-Q 88K7 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-1	SMA-Q0204FTDX90K9	MELF SMA-Q 90K9 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-2	SMA-Q0204FTDX93K1	MELF SMA-Q 93K1 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-3	SMA-Q0204FTDX95K3	MELF SMA-Q 95K3 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-4	SMA-Q0204FTDX97K6	MELF SMA-Q 97K6 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-5	SMA-Q0204FTDX100K	MELF SMA-Q 100K 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-6	SMA-Q0204FTDX102K	MELF SMA-Q 102K 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-7	SMA-Q0204FTDX105K	MELF SMA-Q 105K 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-8	SMA-Q0204FTDX107K	MELF SMA-Q 107K 1% 50PPM 0204 0.4W	PRODUCTION
8-2176661-9	SMA-Q0204FTDX110K	MELF SMA-Q 110K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-0	SMA-Q0204FTDX113K	MELF SMA-Q 113K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-1	SMA-Q0204FTDX115K	MELF SMA-Q 115K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-2	SMA-Q0204FTDX118K	MELF SMA-Q 118K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-3	SMA-Q0204FTDX121K	MELF SMA-Q 121K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-4	SMA-Q0204FTDX124K	MELF SMA-Q 124K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-5	SMA-Q0204FTDX127K	MELF SMA-Q 127K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-6	SMA-Q0204FTDX130K	MELF SMA-Q 130K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-7	SMA-Q0204FTDX133K	MELF SMA-Q 133K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-8	SMA-Q0204FTDX137K	MELF SMA-Q 137K 1% 50PPM 0204 0.4W	PRODUCTION
9-2176661-9	SMA-Q0204FTDX140K	MELF SMA-Q 140K 1% 50PPM 0204 0.4W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.2
1 PLC ±0.1
2 PLC ±-
3 PLC ±-
4 PLC ±-
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MATERIAL -
-

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DWN DHEERAJ M 22NOV2023
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PRODUCT SPEC -
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WEIGHT -

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-2176661	-

CUSTOMER DRAWING | SCALE 20:1 | SHEET 3 OF 3 | REV BA