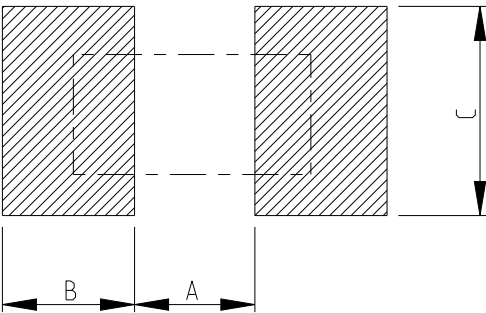


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP
	BA1	SCHEDULE DESCRIPTION UPDATED	22DEC2023	DM	AP

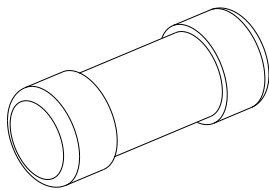
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN



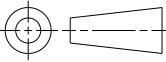
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0204	1.6	1.2	1.6

RoHS Compliant



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M 22NOV2023	 TE Connectivity		
		CHK TRACY G 22NOV2023			
		APVD ALLAN P 22NOV2023	NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0204 SERIES		
		PRODUCT SPEC			
		APPLICATION SPEC	SIZE A3 CAGE CODE 00779 DRAWING NO C-2176655		
		WEIGHT			
		CUSTOMER DRAWING	RESTRICTED TO -		
		SCALE 20:1	SHEET 1 OF 3		REV BA1

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

REVISIONS

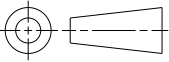
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176655-1	SMA-Q0204BTCX130K	MELF SMA-Q 130K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-2	SMA-Q0204BTCX133K	MELF SMA-Q 133K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-3	SMA-Q0204BTCX137K	MELF SMA-Q 137K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-4	SMA-Q0204BTCX140K	MELF SMA-Q 140K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-5	SMA-Q0204BTCX143K	MELF SMA-Q 143K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-6	SMA-Q0204BTCX147K	MELF SMA-Q 147K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-7	SMA-Q0204BTCX150K	MELF SMA-Q 150K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-8	SMA-Q0204BTCX154K	MELF SMA-Q 154K 0.1% 25PPM 0204 0.4W	PRODUCTION
2176655-9	SMA-Q0204BTCX158K	MELF SMA-Q 158K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-0	SMA-Q0204BTCX162K	MELF SMA-Q 162K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-1	SMA-Q0204BTCX165K	MELF SMA-Q 165K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-2	SMA-Q0204BTCX169K	MELF SMA-Q 169K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-3	SMA-Q0204BTCX174K	MELF SMA-Q 174K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-4	SMA-Q0204BTCX178K	MELF SMA-Q 178K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-5	SMA-Q0204BTCX182K	MELF SMA-Q 182K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-6	SMA-Q0204BTCX187K	MELF SMA-Q 187K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-7	SMA-Q0204BTCX191K	MELF SMA-Q 191K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-8	SMA-Q0204BTCX196K	MELF SMA-Q 196K 0.1% 25PPM 0204 0.4W	PRODUCTION
1-2176655-9	SMA-Q0204BTCX200K	MELF SMA-Q 200K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-0	SMA-Q0204BTCX205K	MELF SMA-Q 205K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-1	SMA-Q0204BTCX210K	MELF SMA-Q 210K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-2	SMA-Q0204BTCX215K	MELF SMA-Q 215K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-3	SMA-Q0204BTCX221K	MELF SMA-Q 221K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-4	SMA-Q0204BTCX226K	MELF SMA-Q 226K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-5	SMA-Q0204BTCX232K	MELF SMA-Q 232K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-6	SMA-Q0204BTCX237K	MELF SMA-Q 237K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-7	SMA-Q0204BTCX243K	MELF SMA-Q 243K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-8	SMA-Q0204BTCX249K	MELF SMA-Q 249K 0.1% 25PPM 0204 0.4W	PRODUCTION
2-2176655-9	SMA-Q0204BTCX255K	MELF SMA-Q 255K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-0	SMA-Q0204BTCX261K	MELF SMA-Q 261K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-1	SMA-Q0204BTCX267K	MELF SMA-Q 267K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-2	SMA-Q0204BTCX274K	MELF SMA-Q 274K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-3	SMA-Q0204BTCX280K	MELF SMA-Q 280K 0.1% 25PPM 0204 0.4W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176655-4	SMA-Q0204BTCX287K	MELF SMA-Q 287K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-5	SMA-Q0204BTCX294K	MELF SMA-Q 294K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-6	SMA-Q0204BTCX301K	MELF SMA-Q 301K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-7	SMA-Q0204BTCX309K	MELF SMA-Q 309K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-8	SMA-Q0204BTCX316K	MELF SMA-Q 316K 0.1% 25PPM 0204 0.4W	PRODUCTION
3-2176655-9	SMA-Q0204BTCX324K	MELF SMA-Q 324K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-0	SMA-Q0204BTCX332K	MELF SMA-Q 332K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-1	SMA-Q0204BTCX340K	MELF SMA-Q 340K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-2	SMA-Q0204BTCX348K	MELF SMA-Q 348K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-3	SMA-Q0204BTCX357K	MELF SMA-Q 357K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-4	SMA-Q0204BTCX365K	MELF SMA-Q 365K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-5	SMA-Q0204BTCX374K	MELF SMA-Q 374K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-6	SMA-Q0204BTCX383K	MELF SMA-Q 383K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-7	SMA-Q0204BTCX392K	MELF SMA-Q 392K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-8	SMA-Q0204BTCX402K	MELF SMA-Q 402K 0.1% 25PPM 0204 0.4W	PRODUCTION
4-2176655-9	SMA-Q0204BTCX412K	MELF SMA-Q 412K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-0	SMA-Q0204BTCX422K	MELF SMA-Q 422K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-1	SMA-Q0204BTCX432K	MELF SMA-Q 432K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-2	SMA-Q0204BTCX442K	MELF SMA-Q 442K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-3	SMA-Q0204BTCX453K	MELF SMA-Q 453K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-4	SMA-Q0204BTCX464K	MELF SMA-Q 464K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-5	SMA-Q0204BTCX475K	MELF SMA-Q 475K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-6	SMA-Q0204BTCX487K	MELF SMA-Q 487K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-7	SMA-Q0204BTCX499K	MELF SMA-Q 499K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-8	SMA-Q0204BTCX511K	MELF SMA-Q 511K 0.1% 25PPM 0204 0.4W	PRODUCTION
5-2176655-9	SMA-Q0204BTCX523K	MELF SMA-Q 523K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-0	SMA-Q0204BTCX536K	MELF SMA-Q 536K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-1	SMA-Q0204BTCX549K	MELF SMA-Q 549K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-2	SMA-Q0204BTCX562K	MELF SMA-Q 562K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-3	SMA-Q0204BTCX576K	MELF SMA-Q 576K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-4	SMA-Q0204BTCX590K	MELF SMA-Q 590K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-5	SMA-Q0204BTCX604K	MELF SMA-Q 604K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-6	SMA-Q0204BTCX619K	MELF SMA-Q 619K 0.1% 25PPM 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 ±-

ANGLES ±5°

FINISH

MATERIAL

-

-

DWN DHEERAJ M 22NOV2023

CHK TRACY G 22NOV2023

APVD ALLAN P 22NOV2023

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

SCALE 40:1

SHEET 2 OF 3

REV BA1

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

©-2176655

-

1470-19 (3/13)

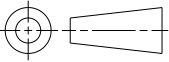
REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176655-7	SMA-Q0204BTCX634K	MELF SMA-Q 634K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-8	SMA-Q0204BTCX649K	MELF SMA-Q 649K 0.1% 25PPM 0204 0.4W	PRODUCTION
6-2176655-9	SMA-Q0204BTCX665K	MELF SMA-Q 665K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-0	SMA-Q0204BTCX681K	MELF SMA-Q 681K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-1	SMA-Q0204BTCX698K	MELF SMA-Q 698K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-2	SMA-Q0204BTCX715K	MELF SMA-Q 715K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-3	SMA-Q0204BTCX732K	MELF SMA-Q 732K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-4	SMA-Q0204BTCX750K	MELF SMA-Q 750K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-5	SMA-Q0204BTCX768K	MELF SMA-Q 768K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-6	SMA-Q0204BTCX787K	MELF SMA-Q 787K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-7	SMA-Q0204BTCX806K	MELF SMA-Q 806K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-8	SMA-Q0204BTCX825K	MELF SMA-Q 825K 0.1% 25PPM 0204 0.4W	PRODUCTION
7-2176655-9	SMA-Q0204BTCX845K	MELF SMA-Q 845K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-0	SMA-Q0204BTCX866K	MELF SMA-Q 866K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-1	SMA-Q0204BTCX887K	MELF SMA-Q 887K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-2	SMA-Q0204BTCX909K	MELF SMA-Q 909K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-3	SMA-Q0204BTCX931K	MELF SMA-Q 931K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-4	SMA-Q0204BTCX953K	MELF SMA-Q 953K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-5	SMA-Q0204BTCX976K	MELF SMA-Q 976K 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-6	SMA-Q0204BTCX1M0	MELF SMA-Q 1M0 0.1% 25PPM 0204 0.4W	PRODUCTION
8-2176655-7	SMA-Q0204FTDXR20	MELF SMA-Q R20 1% 50PPM 0204 0.4W	PRODUCTION
8-2176655-8	SMA-Q0204FTDXR205	MELF SMA-Q R205 1% 50PPM 0204 0.4W	PRODUCTION
8-2176655-9	SMA-Q0204FTDXR210	MELF SMA-Q R210 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-0	SMA-Q0204FTDXR215	MELF SMA-Q R215 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-1	SMA-Q0204FTDXR221	MELF SMA-Q R221 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-2	SMA-Q0204FTDXR226	MELF SMA-Q R226 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-3	SMA-Q0204FTDXR232	MELF SMA-Q R232 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-4	SMA-Q0204FTDXR237	MELF SMA-Q R237 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-5	SMA-Q0204FTDXR243	MELF SMA-Q R243 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-6	SMA-Q0204FTDXR249	MELF SMA-Q R249 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-7	SMA-Q0204FTDXR255	MELF SMA-Q R255 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-8	SMA-Q0204FTDXR261	MELF SMA-Q R261 1% 50PPM 0204 0.4W	PRODUCTION
9-2176655-9	SMA-Q0204FTDXR267	MELF SMA-Q R267 1% 50PPM 0204 0.4W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm



MATERIAL

-

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.2

1 PLC ±0.1

2 PLC ±-

3 PLC ±-

4 PLC ±-

ANGLES 45°

FINISH

-

-

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

A 3

CAGE CODE

00779

DRAWING NO

©-2176655

RESTRICTED TO

-

SCALE

40:1

SHEET

3 OF 3

REV

BA1

1470-19 (3/13)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-2176655-3](#) [8-2176655-1](#) [3-2176655-4](#) [1-2176655-9](#) [8-2176655-6](#) [2176655-7](#) [6-2176655-3](#) [8-2176655-0](#) [5-](#)
[2176655-8](#) [4-2176655-9](#) [1-2176655-0](#) [2-2176655-2](#) [3-2176655-2](#) [8-2176655-5](#) [5-2176655-7](#) [2176655-8](#) [2-](#)
[2176655-1](#) [2-2176655-3](#) [2176655-4](#) [1-2176655-5](#) [1-2176655-6](#) [2176655-6](#) [5-2176655-0](#) [5-2176655-5](#) [6-2176655-2](#)
[9-2176655-1](#)