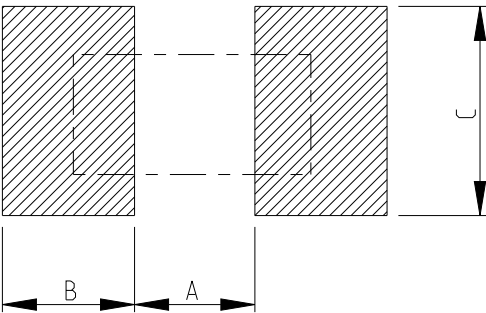


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

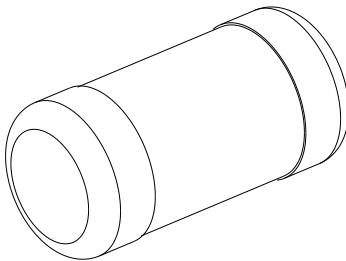
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN

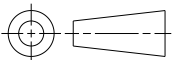


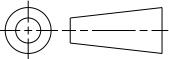
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

RoHS Compliant



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M	22NOV2023	 TE Connectivity				
		CHK TRACY G	22NOV2023					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0102 SERIES				
		0 PLC ±0.2 1 PLC ±0.1 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±5°						
MATERIAL - -		FINISH - -		SIZE A3	CAGE CODE 00779	DRAWING NO C=2176647	RESTRICTED TO -	
CUSTOMER DRAWING						SCALE 40:1	SHEET 1 OF 3	REV BA

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

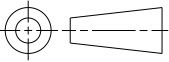
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176647-1	SMA-Q0102FTDL115R	MELF SMA-Q 115R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-2	SMA-Q0102FTDL118R	MELF SMA-Q 118R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-3	SMA-Q0102FTDL121R	MELF SMA-Q 121R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-4	SMA-Q0102FTDL124R	MELF SMA-Q 124R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-5	SMA-Q0102FTDL127R	MELF SMA-Q 127R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-6	SMA-Q0102FTDL130R	MELF SMA-Q 130R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-7	SMA-Q0102FTDL133R	MELF SMA-Q 133R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-8	SMA-Q0102FTDL137R	MELF SMA-Q 137R 1% 50PPM 0102 0.3W	PRODUCTION
2176647-9	SMA-Q0102FTDL140R	MELF SMA-Q 140R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-0	SMA-Q0102FTDL143R	MELF SMA-Q 143R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-1	SMA-Q0102FTDL147R	MELF SMA-Q 147R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-2	SMA-Q0102FTDL150R	MELF SMA-Q 150R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-3	SMA-Q0102FTDL154R	MELF SMA-Q 154R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-4	SMA-Q0102FTDL158R	MELF SMA-Q 158R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-5	SMA-Q0102FTDL162R	MELF SMA-Q 162R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-6	SMA-Q0102FTDL165R	MELF SMA-Q 165R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-7	SMA-Q0102FTDL169R	MELF SMA-Q 169R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-8	SMA-Q0102FTDL174R	MELF SMA-Q 174R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176647-9	SMA-Q0102FTDL178R	MELF SMA-Q 178R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-0	SMA-Q0102FTDL182R	MELF SMA-Q 182R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-1	SMA-Q0102FTDL187R	MELF SMA-Q 187R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-2	SMA-Q0102FTDL191R	MELF SMA-Q 191R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-3	SMA-Q0102FTDL196R	MELF SMA-Q 196R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-4	SMA-Q0102FTDL200R	MELF SMA-Q 200R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-5	SMA-Q0102FTDL205R	MELF SMA-Q 205R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-6	SMA-Q0102FTDL210R	MELF SMA-Q 210R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-7	SMA-Q0102FTDL215R	MELF SMA-Q 215R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-8	SMA-Q0102FTDL221R	MELF SMA-Q 221R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176647-9	SMA-Q0102FTDL226R	MELF SMA-Q 226R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-0	SMA-Q0102FTDL232R	MELF SMA-Q 232R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-1	SMA-Q0102FTDL237R	MELF SMA-Q 237R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-2	SMA-Q0102FTDL243R	MELF SMA-Q 243R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-3	SMA-Q0102FTDL249R	MELF SMA-Q 249R 1% 50PPM 0102 0.3W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176647-4	SMA-Q0102FTDL255R	MELF SMA-Q 255R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-5	SMA-Q0102FTDL261R	MELF SMA-Q 261R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-6	SMA-Q0102FTDL267R	MELF SMA-Q 267R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-7	SMA-Q0102FTDL274R	MELF SMA-Q 274R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-8	SMA-Q0102FTDL280R	MELF SMA-Q 280R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176647-9	SMA-Q0102FTDL287R	MELF SMA-Q 287R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-0	SMA-Q0102FTDL294R	MELF SMA-Q 294R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-1	SMA-Q0102FTDL301R	MELF SMA-Q 301R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-2	SMA-Q0102FTDL309R	MELF SMA-Q 309R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-3	SMA-Q0102FTDL316R	MELF SMA-Q 316R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-4	SMA-Q0102FTDL324R	MELF SMA-Q 324R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-5	SMA-Q0102FTDL332R	MELF SMA-Q 332R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-6	SMA-Q0102FTDL340R	MELF SMA-Q 340R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-7	SMA-Q0102FTDL348R	MELF SMA-Q 348R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-8	SMA-Q0102FTDL357R	MELF SMA-Q 357R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176647-9	SMA-Q0102FTDL365R	MELF SMA-Q 365R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-0	SMA-Q0102FTDL374R	MELF SMA-Q 374R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-1	SMA-Q0102FTDL383R	MELF SMA-Q 383R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-2	SMA-Q0102FTDL392R	MELF SMA-Q 392R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-3	SMA-Q0102FTDL402R	MELF SMA-Q 402R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-4	SMA-Q0102FTDL412R	MELF SMA-Q 412R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-5	SMA-Q0102FTDL422R	MELF SMA-Q 422R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-6	SMA-Q0102FTDL432R	MELF SMA-Q 432R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-7	SMA-Q0102FTDL442R	MELF SMA-Q 442R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-8	SMA-Q0102FTDL453R	MELF SMA-Q 453R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176647-9	SMA-Q0102FTDL464R	MELF SMA-Q 464R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-0	SMA-Q0102FTDL475R	MELF SMA-Q 475R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-1	SMA-Q0102FTDL487R	MELF SMA-Q 487R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-2	SMA-Q0102FTDL499R	MELF SMA-Q 499R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-3	SMA-Q0102FTDL511R	MELF SMA-Q 511R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-4	SMA-Q0102FTDL523R	MELF SMA-Q 523R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-5	SMA-Q0102FTDL536R	MELF SMA-Q 536R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-6	SMA-Q0102FTDL549R	MELF SMA-Q 549R 1% 50PPM 0102 0.3W	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

CHK
TRACY G

APVD
ALLAN P

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

22NOV2023

22NOV2023

22NOV2023

CUSTOMER DRAWING

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

©-2176647

-

SCALE

40:1

SHEET

2 OF 3

REV

BA

1470-19 (3/13)

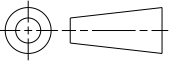
REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176647-7	SMA-Q0102FTDL562R	MELF SMA-Q 562R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-8	SMA-Q0102FTDL576R	MELF SMA-Q 576R 1% 50PPM 0102 0.3W	PRODUCTION
6-2176647-9	SMA-Q0102FTDL590R	MELF SMA-Q 590R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-0	SMA-Q0102FTDL604R	MELF SMA-Q 604R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-1	SMA-Q0102FTDL619R	MELF SMA-Q 619R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-2	SMA-Q0102FTDL634R	MELF SMA-Q 634R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-3	SMA-Q0102FTDL649R	MELF SMA-Q 649R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-4	SMA-Q0102FTDL665R	MELF SMA-Q 665R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-5	SMA-Q0102FTDL681R	MELF SMA-Q 681R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-6	SMA-Q0102FTDL698R	MELF SMA-Q 698R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-7	SMA-Q0102FTDL715R	MELF SMA-Q 715R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-8	SMA-Q0102FTDL732R	MELF SMA-Q 732R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176647-9	SMA-Q0102FTDL750R	MELF SMA-Q 750R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-0	SMA-Q0102FTDL768R	MELF SMA-Q 768R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-1	SMA-Q0102FTDL787R	MELF SMA-Q 787R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-2	SMA-Q0102FTDL806R	MELF SMA-Q 806R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-3	SMA-Q0102FTDL825R	MELF SMA-Q 825R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-4	SMA-Q0102FTDL845R	MELF SMA-Q 845R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-5	SMA-Q0102FTDL866R	MELF SMA-Q 866R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-6	SMA-Q0102FTDL887R	MELF SMA-Q 887R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-7	SMA-Q0102FTDL909R	MELF SMA-Q 909R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-8	SMA-Q0102FTDL931R	MELF SMA-Q 931R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176647-9	SMA-Q0102FTDL953R	MELF SMA-Q 953R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-0	SMA-Q0102FTDL976R	MELF SMA-Q 976R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-1	SMA-Q0102FTDL1K0	MELF SMA-Q 1K0 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-2	SMA-Q0102FTDL1K02	MELF SMA-Q 1K02 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-3	SMA-Q0102FTDL1K05	MELF SMA-Q 1K05 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-4	SMA-Q0102FTDL1K07	MELF SMA-Q 1K07 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-5	SMA-Q0102FTDL1K1	MELF SMA-Q 1K1 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-6	SMA-Q0102FTDL1K13	MELF SMA-Q 1K13 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-7	SMA-Q0102FTDL1K15	MELF SMA-Q 1K15 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-8	SMA-Q0102FTDL1K18	MELF SMA-Q 1K18 1% 50PPM 0102 0.3W	PRODUCTION
9-2176647-9	SMA-Q0102FTDL1K21	MELF SMA-Q 1K21 1% 50PPM 0102 0.3W	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

-

-

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

22NOV2023

22NOV2023

22NOV2023

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

SIZE
A3

CAGE CODE
00779

DRAWING NO
C=2176647

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
40:1

SHEET
3 OF 3

REV
BA

1470-19 (3/13)