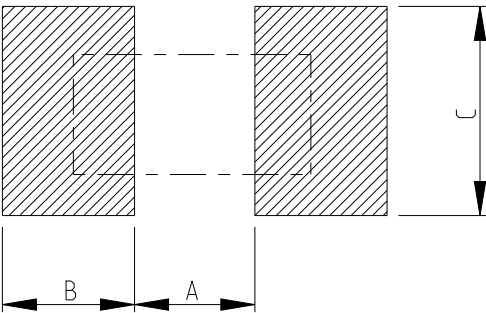


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

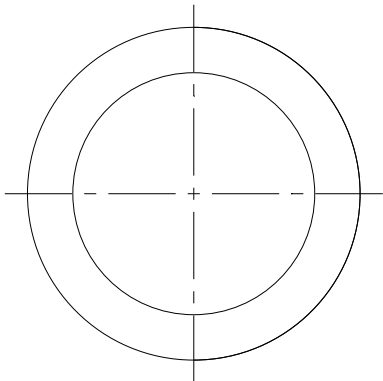
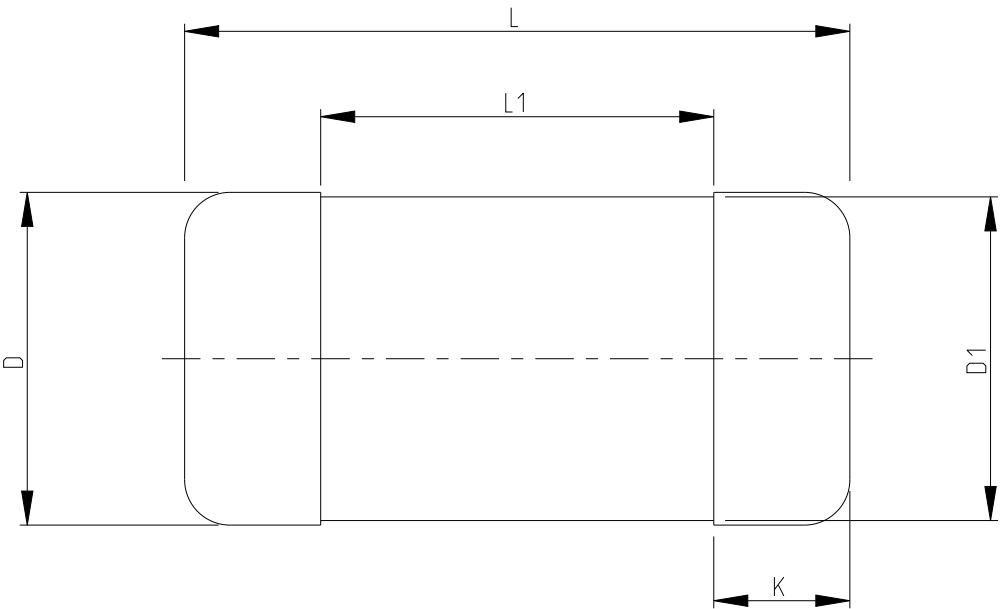
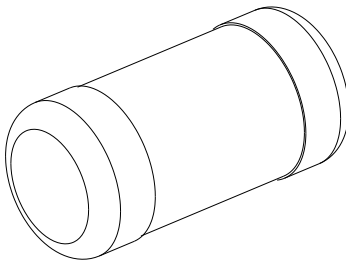
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN

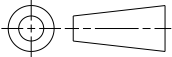


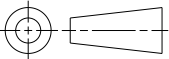
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

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: 0 PLC ±0.2 1 PLC ±0.1 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±5°		NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0102 SERIES				
								
MATERIAL - -		FINISH - -		SIZE A3		CAGE CODE 00779	DRAWING NO C-2176642	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

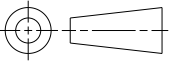
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176642-1	SMA-Q0102LZR	MELF SMA-Q 0.3W ZEROHM 0102 2A	PRODUCTION
2176642-2	SMA-Q0102BTCL100R	MELF SMA-Q 100R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-3	SMA-Q0102BTCL102R	MELF SMA-Q 102R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-4	SMA-Q0102BTCL105R	MELF SMA-Q 105R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-5	SMA-Q0102BTCL107R	MELF SMA-Q 107R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-6	SMA-Q0102BTCL110R	MELF SMA-Q 110R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-7	SMA-Q0102BTCL113R	MELF SMA-Q 113R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-8	SMA-Q0102BTCL115R	MELF SMA-Q 115R 0.1% 25PPM 0102 0.3W	PRODUCTION
2176642-9	SMA-Q0102BTCL118R	MELF SMA-Q 118R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-0	SMA-Q0102BTCL121R	MELF SMA-Q 121R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-1	SMA-Q0102BTCL124R	MELF SMA-Q 124R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-2	SMA-Q0102BTCL127R	MELF SMA-Q 127R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-3	SMA-Q0102BTCL130R	MELF SMA-Q 130R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-4	SMA-Q0102BTCL133R	MELF SMA-Q 133R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-5	SMA-Q0102BTCL137R	MELF SMA-Q 137R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-6	SMA-Q0102BTCL140R	MELF SMA-Q 140R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-7	SMA-Q0102BTCL143R	MELF SMA-Q 143R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-8	SMA-Q0102BTCL147R	MELF SMA-Q 147R 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176642-9	SMA-Q0102BTCL150R	MELF SMA-Q 150R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-0	SMA-Q0102BTCL154R	MELF SMA-Q 154R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-1	SMA-Q0102BTCL158R	MELF SMA-Q 158R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-2	SMA-Q0102BTCL162R	MELF SMA-Q 162R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-3	SMA-Q0102BTCL165R	MELF SMA-Q 165R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-4	SMA-Q0102BTCL169R	MELF SMA-Q 169R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-5	SMA-Q0102BTCL174R	MELF SMA-Q 174R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-6	SMA-Q0102BTCL178R	MELF SMA-Q 178R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-7	SMA-Q0102BTCL182R	MELF SMA-Q 182R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-8	SMA-Q0102BTCL187R	MELF SMA-Q 187R 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176642-9	SMA-Q0102BTCL191R	MELF SMA-Q 191R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-0	SMA-Q0102BTCL196R	MELF SMA-Q 196R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-1	SMA-Q0102BTCL200R	MELF SMA-Q 200R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-2	SMA-Q0102BTCL205R	MELF SMA-Q 205R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-3	SMA-Q0102BTCL210R	MELF SMA-Q 210R 0.1% 25PPM 0102 0.3W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176642-4	SMA-Q0102BTCL215R	MELF SMA-Q 215R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-5	SMA-Q0102BTCL221R	MELF SMA-Q 221R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-6	SMA-Q0102BTCL226R	MELF SMA-Q 226R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-7	SMA-Q0102BTCL232R	MELF SMA-Q 232R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-8	SMA-Q0102BTCL237R	MELF SMA-Q 237R 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176642-9	SMA-Q0102BTCL243R	MELF SMA-Q 243R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-0	SMA-Q0102BTCL249R	MELF SMA-Q 249R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-1	SMA-Q0102BTCL255R	MELF SMA-Q 255R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-2	SMA-Q0102BTCL261R	MELF SMA-Q 261R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-3	SMA-Q0102BTCL267R	MELF SMA-Q 267R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-4	SMA-Q0102BTCL274R	MELF SMA-Q 274R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-5	SMA-Q0102BTCL280R	MELF SMA-Q 280R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-6	SMA-Q0102BTCL287R	MELF SMA-Q 287R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-7	SMA-Q0102BTCL294R	MELF SMA-Q 294R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-8	SMA-Q0102BTCL301R	MELF SMA-Q 301R 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176642-9	SMA-Q0102BTCL309R	MELF SMA-Q 309R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-0	SMA-Q0102BTCL316R	MELF SMA-Q 316R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-1	SMA-Q0102BTCL324R	MELF SMA-Q 324R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-2	SMA-Q0102BTCL332R	MELF SMA-Q 332R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-3	SMA-Q0102BTCL340R	MELF SMA-Q 340R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-4	SMA-Q0102BTCL348R	MELF SMA-Q 348R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-5	SMA-Q0102BTCL357R	MELF SMA-Q 357R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-6	SMA-Q0102BTCL365R	MELF SMA-Q 365R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-7	SMA-Q0102BTCL374R	MELF SMA-Q 374R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-8	SMA-Q0102BTCL383R	MELF SMA-Q 383R 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176642-9	SMA-Q0102BTCL392R	MELF SMA-Q 392R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-0	SMA-Q0102BTCL402R	MELF SMA-Q 402R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-1	SMA-Q0102BTCL412R	MELF SMA-Q 412R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-2	SMA-Q0102BTCL422R	MELF SMA-Q 422R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-3	SMA-Q0102BTCL432R	MELF SMA-Q 432R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-4	SMA-Q0102BTCL442R	MELF SMA-Q 442R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-5	SMA-Q0102BTCL453R	MELF SMA-Q 453R 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176642-6	SMA-Q0102BTCL464R	MELF SMA-Q 464R 0.1% 25PPM 0102 0.3W	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 ±5°

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 0102 SERIES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

©-2176642

-

SCALE

40:1

SHEET

2 OF 3

REV

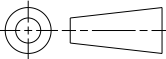
BA

1470-19 (3/13)

REVISIONS

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

SCHEDULE									
TCPN	CATALOGUE NUMBER	PART DESCRIPTION							PART STATUS
6-2176642-7	SMA-Q0102BTCL475R	MELF	SMA-Q	475R	0.1%	25PPM	0102	0.3W	PRODUCTION
6-2176642-8	SMA-Q0102BTCL487R	MELF	SMA-Q	487R	0.1%	25PPM	0102	0.3W	PRODUCTION
6-2176642-9	SMA-Q0102BTCL499R	MELF	SMA-Q	499R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-0	SMA-Q0102BTCL511R	MELF	SMA-Q	511R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-1	SMA-Q0102BTCL523R	MELF	SMA-Q	523R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-2	SMA-Q0102BTCL536R	MELF	SMA-Q	536R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-3	SMA-Q0102BTCL549R	MELF	SMA-Q	549R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-4	SMA-Q0102BTCL562R	MELF	SMA-Q	562R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-5	SMA-Q0102BTCL576R	MELF	SMA-Q	576R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-6	SMA-Q0102BTCL590R	MELF	SMA-Q	590R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-7	SMA-Q0102BTCL604R	MELF	SMA-Q	604R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-8	SMA-Q0102BTCL619R	MELF	SMA-Q	619R	0.1%	25PPM	0102	0.3W	PRODUCTION
7-2176642-9	SMA-Q0102BTCL634R	MELF	SMA-Q	634R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-0	SMA-Q0102BTCL649R	MELF	SMA-Q	649R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-1	SMA-Q0102BTCL665R	MELF	SMA-Q	665R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-2	SMA-Q0102BTCL681R	MELF	SMA-Q	681R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-3	SMA-Q0102BTCL698R	MELF	SMA-Q	698R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-4	SMA-Q0102BTCL715R	MELF	SMA-Q	715R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-5	SMA-Q0102BTCL732R	MELF	SMA-Q	732R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-6	SMA-Q0102BTCL750R	MELF	SMA-Q	750R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-7	SMA-Q0102BTCL768R	MELF	SMA-Q	768R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-8	SMA-Q0102BTCL787R	MELF	SMA-Q	787R	0.1%	25PPM	0102	0.3W	PRODUCTION
8-2176642-9	SMA-Q0102BTCL806R	MELF	SMA-Q	806R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-0	SMA-Q0102BTCL825R	MELF	SMA-Q	825R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-1	SMA-Q0102BTCL845R	MELF	SMA-Q	845R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-2	SMA-Q0102BTCL866R	MELF	SMA-Q	866R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-3	SMA-Q0102BTCL887R	MELF	SMA-Q	887R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-4	SMA-Q0102BTCL909R	MELF	SMA-Q	909R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-5	SMA-Q0102BTCL931R	MELF	SMA-Q	931R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-6	SMA-Q0102BTCL953R	MELF	SMA-Q	953R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-7	SMA-Q0102BTCL976R	MELF	SMA-Q	976R	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-8	SMA-Q0102BTCL1K0	MELF	SMA-Q	1K0	0.1%	25PPM	0102	0.3W	PRODUCTION
9-2176642-9	SMA-Q0102BTCL1K02	MELF	SMA-Q	1K02	0.1%	25PPM	0102	0.3W	PRODUCTION

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°	22NOV2023			
MATERIAL	FINISH	PRODUCT SPEC		SIZE CAGE CODE DRAWING NO RESTRICTED TO		
		APPLICATION SPEC		A 3 00779 C-2176642		
		WEIGHT		SCALE 40:1 SHEET 3 OF 3 REV BA		
		CUSTOMER DRAWING				