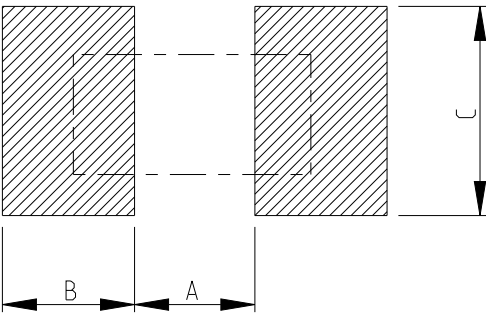


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

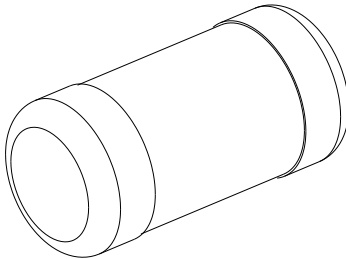
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN

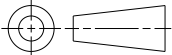


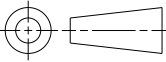
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

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 - -		PRODUCT SPEC - APPLICATION SPEC - WEIGHT -		SIZE A 3		CAGE CODE 00779		DRAWING NO C=2176643		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	±-
MATERIAL		ANGLES	±5°
		FINISH	

REVISIONS

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

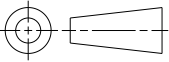
SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176643-1	SMA-Q0102BTCL1K05	MELF SMA-Q 1K05 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-2	SMA-Q0102BTCL1K07	MELF SMA-Q 1K07 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-3	SMA-Q0102BTCL1K1	MELF SMA-Q 1K1 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-4	SMA-Q0102BTCL1K13	MELF SMA-Q 1K13 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-5	SMA-Q0102BTCL1K15	MELF SMA-Q 1K15 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-6	SMA-Q0102BTCL1K18	MELF SMA-Q 1K18 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-7	SMA-Q0102BTCL1K21	MELF SMA-Q 1K21 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-8	SMA-Q0102BTCL1K24	MELF SMA-Q 1K24 0.1% 25PPM 0102 0.3W	PRODUCTION
2176643-9	SMA-Q0102BTCL1K27	MELF SMA-Q 1K27 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-0	SMA-Q0102BTCL1K3	MELF SMA-Q 1K3 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-1	SMA-Q0102BTCL1K33	MELF SMA-Q 1K33 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-2	SMA-Q0102BTCL1K37	MELF SMA-Q 1K37 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-3	SMA-Q0102BTCL1K4	MELF SMA-Q 1K4 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-4	SMA-Q0102BTCL1K43	MELF SMA-Q 1K43 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-5	SMA-Q0102BTCL1K47	MELF SMA-Q 1K47 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-6	SMA-Q0102BTCL1K5	MELF SMA-Q 1K5 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-7	SMA-Q0102BTCL1K54	MELF SMA-Q 1K54 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-8	SMA-Q0102BTCL1K58	MELF SMA-Q 1K58 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176643-9	SMA-Q0102BTCL1K62	MELF SMA-Q 1K62 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-0	SMA-Q0102BTCL1K65	MELF SMA-Q 1K65 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-1	SMA-Q0102BTCL1K69	MELF SMA-Q 1K69 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-2	SMA-Q0102BTCL1K74	MELF SMA-Q 1K74 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-3	SMA-Q0102BTCL1K78	MELF SMA-Q 1K78 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-4	SMA-Q0102BTCL1K82	MELF SMA-Q 1K82 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-5	SMA-Q0102BTCL1K87	MELF SMA-Q 1K87 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-6	SMA-Q0102BTCL1K91	MELF SMA-Q 1K91 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-7	SMA-Q0102BTCL1K96	MELF SMA-Q 1K96 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-8	SMA-Q0102BTCL2K0	MELF SMA-Q 2K0 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176643-9	SMA-Q0102BTCL2K05	MELF SMA-Q 2K05 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-0	SMA-Q0102BTCL2K1	MELF SMA-Q 2K1 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-1	SMA-Q0102BTCL2K15	MELF SMA-Q 2K15 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-2	SMA-Q0102BTCL2K21	MELF SMA-Q 2K21 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-3	SMA-Q0102BTCL2K26	MELF SMA-Q 2K26 0.1% 25PPM 0102 0.3W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176643-4	SMA-Q0102BTCL2K32	MELF SMA-Q 2K32 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-5	SMA-Q0102BTCL2K37	MELF SMA-Q 2K37 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-6	SMA-Q0102BTCL2K43	MELF SMA-Q 2K43 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-7	SMA-Q0102BTCL2K49	MELF SMA-Q 2K49 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-8	SMA-Q0102BTCL2K55	MELF SMA-Q 2K55 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176643-9	SMA-Q0102BTCL2K61	MELF SMA-Q 2K61 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-0	SMA-Q0102BTCL2K67	MELF SMA-Q 2K67 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-1	SMA-Q0102BTCL2K74	MELF SMA-Q 2K74 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-2	SMA-Q0102BTCL2K8	MELF SMA-Q 2K8 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-3	SMA-Q0102BTCL2K87	MELF SMA-Q 2K87 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-4	SMA-Q0102BTCL2K94	MELF SMA-Q 2K94 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-5	SMA-Q0102BTCL3K01	MELF SMA-Q 3K01 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-6	SMA-Q0102BTCL3K09	MELF SMA-Q 3K09 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-7	SMA-Q0102BTCL3K16	MELF SMA-Q 3K16 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-8	SMA-Q0102BTCL3K24	MELF SMA-Q 3K24 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176643-9	SMA-Q0102BTCL3K32	MELF SMA-Q 3K32 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-0	SMA-Q0102BTCL3K4	MELF SMA-Q 3K4 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-1	SMA-Q0102BTCL3K48	MELF SMA-Q 3K48 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-2	SMA-Q0102BTCL3K57	MELF SMA-Q 3K57 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-3	SMA-Q0102BTCL3K65	MELF SMA-Q 3K65 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-4	SMA-Q0102BTCL3K74	MELF SMA-Q 3K74 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-5	SMA-Q0102BTCL3K83	MELF SMA-Q 3K83 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-6	SMA-Q0102BTCL3K92	MELF SMA-Q 3K92 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-7	SMA-Q0102BTCL4K02	MELF SMA-Q 4K02 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-8	SMA-Q0102BTCL4K12	MELF SMA-Q 4K12 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176643-9	SMA-Q0102BTCL4K22	MELF SMA-Q 4K22 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-0	SMA-Q0102BTCL4K32	MELF SMA-Q 4K32 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-1	SMA-Q0102BTCL4K42	MELF SMA-Q 4K42 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-2	SMA-Q0102BTCL4K53	MELF SMA-Q 4K53 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-3	SMA-Q0102BTCL4K64	MELF SMA-Q 4K64 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-4	SMA-Q0102BTCL4K75	MELF SMA-Q 4K75 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-5	SMA-Q0102BTCL4K87	MELF SMA-Q 4K87 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-6	SMA-Q0102BTCL4K99	MELF SMA-Q 4K99 0.1% 25PPM 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°

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 BA

TE Connectivity

NAME

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

SIZE

A3

CAGE CODE

00779

DRAWING NO

©-2176643

RESTRICTED TO

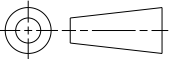
-

1470-19 (3/13)

REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176643-7	SMA-Q0102BTCL5K11	MELF SMA-Q 5K11 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-8	SMA-Q0102BTCL5K23	MELF SMA-Q 5K23 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176643-9	SMA-Q0102BTCL5K36	MELF SMA-Q 5K36 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-0	SMA-Q0102BTCL5K49	MELF SMA-Q 5K49 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-1	SMA-Q0102BTCL5K62	MELF SMA-Q 5K62 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-2	SMA-Q0102BTCL5K76	MELF SMA-Q 5K76 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-3	SMA-Q0102BTCL5K9	MELF SMA-Q 5K9 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-4	SMA-Q0102BTCL6K04	MELF SMA-Q 6K04 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-5	SMA-Q0102BTCL6K19	MELF SMA-Q 6K19 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-6	SMA-Q0102BTCL6K34	MELF SMA-Q 6K34 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-7	SMA-Q0102BTCL6K49	MELF SMA-Q 6K49 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-8	SMA-Q0102BTCL6K65	MELF SMA-Q 6K65 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176643-9	SMA-Q0102BTCL6K81	MELF SMA-Q 6K81 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-0	SMA-Q0102BTCL6K98	MELF SMA-Q 6K98 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-1	SMA-Q0102BTCL7K15	MELF SMA-Q 7K15 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-2	SMA-Q0102BTCL7K32	MELF SMA-Q 7K32 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-3	SMA-Q0102BTCL7K5	MELF SMA-Q 7K5 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-4	SMA-Q0102BTCL7K68	MELF SMA-Q 7K68 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-5	SMA-Q0102BTCL7K87	MELF SMA-Q 7K87 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-6	SMA-Q0102BTCL8K06	MELF SMA-Q 8K06 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-7	SMA-Q0102BTCL8K25	MELF SMA-Q 8K25 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-8	SMA-Q0102BTCL8K45	MELF SMA-Q 8K45 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176643-9	SMA-Q0102BTCL8K66	MELF SMA-Q 8K66 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-0	SMA-Q0102BTCL8K87	MELF SMA-Q 8K87 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-1	SMA-Q0102BTCL9K09	MELF SMA-Q 9K09 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-2	SMA-Q0102BTCL9K31	MELF SMA-Q 9K31 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-3	SMA-Q0102BTCL9K53	MELF SMA-Q 9K53 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-4	SMA-Q0102BTCL9K76	MELF SMA-Q 9K76 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-5	SMA-Q0102BTCL10K	MELF SMA-Q 10K 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-6	SMA-Q0102BTCL10K2	MELF SMA-Q 10K2 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-7	SMA-Q0102BTCL10K5	MELF SMA-Q 10K5 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-8	SMA-Q0102BTCL10K7	MELF SMA-Q 10K7 0.1% 25PPM 0102 0.3W	PRODUCTION
9-2176643-9	SMA-Q0102BTCL11K	MELF SMA-Q 11K 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:	APVD ALLAN P	22NOV2023	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°	PRODUCT SPEC -					
MATERIAL -	FINISH -	APPLICATION SPEC -	WEIGHT -		SIZE A3	CAGE CODE 00779	DRAWING NO C-2176643	RESTRICTED TO -
		CUSTOMER DRAWING			SCALE 40:1	SHEET 3 OF 3	REV BA	