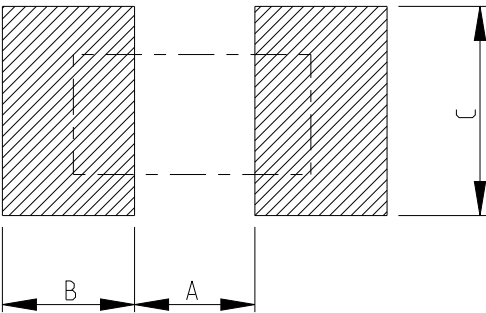


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

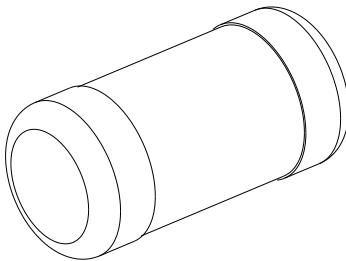
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN

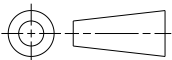


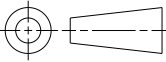
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

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 M22NOV2023		TE Connectivity				
		CHK TRACY G22NOV2023						
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 A 3		CAGE CODE 00779	DRAWING NO C=2176648	RESTRICTED TO -
CUSTOMER DRAWING				SCALE 40:1		SHEET 1 OF 3		REV BA

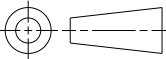
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC ±0.2 1 PLC ±0.1 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±5°
MATERIAL	FINISH
-	-
-	-

REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176648-1	SMA-Q0102FTDL1K24	MELF SMA-Q 1K24 1% 50PPM 0102 0.3W	PRODUCTION
2176648-2	SMA-Q0102FTDL1K27	MELF SMA-Q 1K27 1% 50PPM 0102 0.3W	PRODUCTION
2176648-3	SMA-Q0102FTDL1K3	MELF SMA-Q 1K3 1% 50PPM 0102 0.3W	PRODUCTION
2176648-4	SMA-Q0102FTDL1K33	MELF SMA-Q 1K33 1% 50PPM 0102 0.3W	PRODUCTION
2176648-5	SMA-Q0102FTDL1K37	MELF SMA-Q 1K37 1% 50PPM 0102 0.3W	PRODUCTION
2176648-6	SMA-Q0102FTDL1K4	MELF SMA-Q 1K4 1% 50PPM 0102 0.3W	PRODUCTION
2176648-7	SMA-Q0102FTDL1K43	MELF SMA-Q 1K43 1% 50PPM 0102 0.3W	PRODUCTION
2176648-8	SMA-Q0102FTDL1K47	MELF SMA-Q 1K47 1% 50PPM 0102 0.3W	PRODUCTION
2176648-9	SMA-Q0102FTDL1K5	MELF SMA-Q 1K5 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-0	SMA-Q0102FTDL1K54	MELF SMA-Q 1K54 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-1	SMA-Q0102FTDL1K58	MELF SMA-Q 1K58 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-2	SMA-Q0102FTDL1K62	MELF SMA-Q 1K62 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-3	SMA-Q0102FTDL1K65	MELF SMA-Q 1K65 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-4	SMA-Q0102FTDL1K69	MELF SMA-Q 1K69 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-5	SMA-Q0102FTDL1K74	MELF SMA-Q 1K74 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-6	SMA-Q0102FTDL1K78	MELF SMA-Q 1K78 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-7	SMA-Q0102FTDL1K82	MELF SMA-Q 1K82 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-8	SMA-Q0102FTDL1K87	MELF SMA-Q 1K87 1% 50PPM 0102 0.3W	PRODUCTION
1-2176648-9	SMA-Q0102FTDL1K91	MELF SMA-Q 1K91 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-0	SMA-Q0102FTDL1K96	MELF SMA-Q 1K96 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-1	SMA-Q0102FTDL2K0	MELF SMA-Q 2K0 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-2	SMA-Q0102FTDL2K05	MELF SMA-Q 2K05 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-3	SMA-Q0102FTDL2K1	MELF SMA-Q 2K1 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-4	SMA-Q0102FTDL2K15	MELF SMA-Q 2K15 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-5	SMA-Q0102FTDL2K21	MELF SMA-Q 2K21 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-6	SMA-Q0102FTDL2K26	MELF SMA-Q 2K26 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-7	SMA-Q0102FTDL2K32	MELF SMA-Q 2K32 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-8	SMA-Q0102FTDL2K37	MELF SMA-Q 2K37 1% 50PPM 0102 0.3W	PRODUCTION
2-2176648-9	SMA-Q0102FTDL2K43	MELF SMA-Q 2K43 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-0	SMA-Q0102FTDL2K49	MELF SMA-Q 2K49 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-1	SMA-Q0102FTDL2K55	MELF SMA-Q 2K55 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-2	SMA-Q0102FTDL2K61	MELF SMA-Q 2K61 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-3	SMA-Q0102FTDL2K67	MELF SMA-Q 2K67 1% 50PPM 0102 0.3W	PRODUCTION

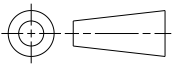
SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176648-4	SMA-Q0102FTDL2K74	MELF SMA-Q 2K74 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-5	SMA-Q0102FTDL2K8	MELF SMA-Q 2K8 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-6	SMA-Q0102FTDL2K87	MELF SMA-Q 2K87 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-7	SMA-Q0102FTDL2K94	MELF SMA-Q 2K94 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-8	SMA-Q0102FTDL3K01	MELF SMA-Q 3K01 1% 50PPM 0102 0.3W	PRODUCTION
3-2176648-9	SMA-Q0102FTDL3K09	MELF SMA-Q 3K09 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-0	SMA-Q0102FTDL3K16	MELF SMA-Q 3K16 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-1	SMA-Q0102FTDL3K24	MELF SMA-Q 3K24 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-2	SMA-Q0102FTDL3K32	MELF SMA-Q 3K32 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-3	SMA-Q0102FTDL3K4	MELF SMA-Q 3K4 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-4	SMA-Q0102FTDL3K48	MELF SMA-Q 3K48 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-5	SMA-Q0102FTDL3K57	MELF SMA-Q 3K57 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-6	SMA-Q0102FTDL3K65	MELF SMA-Q 3K65 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-7	SMA-Q0102FTDL3K74	MELF SMA-Q 3K74 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-8	SMA-Q0102FTDL3K83	MELF SMA-Q 3K83 1% 50PPM 0102 0.3W	PRODUCTION
4-2176648-9	SMA-Q0102FTDL3K92	MELF SMA-Q 3K92 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-0	SMA-Q0102FTDL4K02	MELF SMA-Q 4K02 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-1	SMA-Q0102FTDL4K12	MELF SMA-Q 4K12 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-2	SMA-Q0102FTDL4K22	MELF SMA-Q 4K22 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-3	SMA-Q0102FTDL4K32	MELF SMA-Q 4K32 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-4	SMA-Q0102FTDL4K42	MELF SMA-Q 4K42 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-5	SMA-Q0102FTDL4K53	MELF SMA-Q 4K53 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-6	SMA-Q0102FTDL4K64	MELF SMA-Q 4K64 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-7	SMA-Q0102FTDL4K75	MELF SMA-Q 4K75 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-8	SMA-Q0102FTDL4K87	MELF SMA-Q 4K87 1% 50PPM 0102 0.3W	PRODUCTION
5-2176648-9	SMA-Q0102FTDL4K99	MELF SMA-Q 4K99 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-0	SMA-Q0102FTDL5K11	MELF SMA-Q 5K11 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-1	SMA-Q0102FTDL5K23	MELF SMA-Q 5K23 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-2	SMA-Q0102FTDL5K36	MELF SMA-Q 5K36 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-3	SMA-Q0102FTDL5K49	MELF SMA-Q 5K49 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-4	SMA-Q0102FTDL5K62	MELF SMA-Q 5K62 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-5	SMA-Q0102FTDL5K76	MELF SMA-Q 5K76 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-6	SMA-Q0102FTDL5K9	MELF SMA-Q 5K9 1% 50PPM 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	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 ±°	22NOV2023					
MATERIAL -	FINISH -	PRODUCT SPEC -	SIZE A3			CAGE CODE 00779	DRAWING NO C-2176648	RESTRICTED TO -
		APPLICATION SPEC -	SCALE 40:1			SHEET 2 OF 3	REV BA	
		WEIGHT -	CUSTOMER DRAWING					

REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176648-7	SMA-Q0102FTDL6K04	MELF SMA-Q 6K04 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-8	SMA-Q0102FTDL6K19	MELF SMA-Q 6K19 1% 50PPM 0102 0.3W	PRODUCTION
6-2176648-9	SMA-Q0102FTDL6K34	MELF SMA-Q 6K34 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-0	SMA-Q0102FTDL6K49	MELF SMA-Q 6K49 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-1	SMA-Q0102FTDL6K65	MELF SMA-Q 6K65 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-2	SMA-Q0102FTDL6K81	MELF SMA-Q 6K81 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-3	SMA-Q0102FTDL6K98	MELF SMA-Q 6K98 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-4	SMA-Q0102FTDL7K15	MELF SMA-Q 7K15 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-5	SMA-Q0102FTDL7K32	MELF SMA-Q 7K32 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-6	SMA-Q0102FTDL7K5	MELF SMA-Q 7K5 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-7	SMA-Q0102FTDL7K68	MELF SMA-Q 7K68 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-8	SMA-Q0102FTDL7K87	MELF SMA-Q 7K87 1% 50PPM 0102 0.3W	PRODUCTION
7-2176648-9	SMA-Q0102FTDL8K06	MELF SMA-Q 8K06 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-0	SMA-Q0102FTDL8K25	MELF SMA-Q 8K25 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-1	SMA-Q0102FTDL8K45	MELF SMA-Q 8K45 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-2	SMA-Q0102FTDL8K66	MELF SMA-Q 8K66 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-3	SMA-Q0102FTDL8K87	MELF SMA-Q 8K87 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-4	SMA-Q0102FTDL9K09	MELF SMA-Q 9K09 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-5	SMA-Q0102FTDL9K31	MELF SMA-Q 9K31 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-6	SMA-Q0102FTDL9K53	MELF SMA-Q 9K53 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-7	SMA-Q0102FTDL9K76	MELF SMA-Q 9K76 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-8	SMA-Q0102FTDL10K	MELF SMA-Q 10K 1% 50PPM 0102 0.3W	PRODUCTION
8-2176648-9	SMA-Q0102FTDL10K2	MELF SMA-Q 10K2 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-0	SMA-Q0102FTDL10K5	MELF SMA-Q 10K5 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-1	SMA-Q0102FTDL10K7	MELF SMA-Q 10K7 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-2	SMA-Q0102FTDL11K	MELF SMA-Q 11K 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-3	SMA-Q0102FTDL11K3	MELF SMA-Q 11K3 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-4	SMA-Q0102FTDL11K5	MELF SMA-Q 11K5 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-5	SMA-Q0102FTDL11K8	MELF SMA-Q 11K8 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-6	SMA-Q0102FTDL12K1	MELF SMA-Q 12K1 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-7	SMA-Q0102FTDL12K4	MELF SMA-Q 12K4 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-8	SMA-Q0102FTDL12K7	MELF SMA-Q 12K7 1% 50PPM 0102 0.3W	PRODUCTION
9-2176648-9	SMA-Q0102FTDL13K	MELF SMA-Q 13K 1% 50PPM 0102 0.3W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M	22NOV2023	 TE Connectivity			
DIMENSIONS: mm		CHK TRACY G	22NOV2023	NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0102 SERIES			
		APVD ALLAN P	22NOV2023				
		PRODUCT SPEC -					
		APPLICATION SPEC -					
MATERIAL - -	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.2 1 PLC ±0.1 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±5°	WEIGHT -		SIZE A3	CAGE CODE 00779	DRAWING NO C-2176648	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 40:1		SHEET 3 OF 3		REV BA