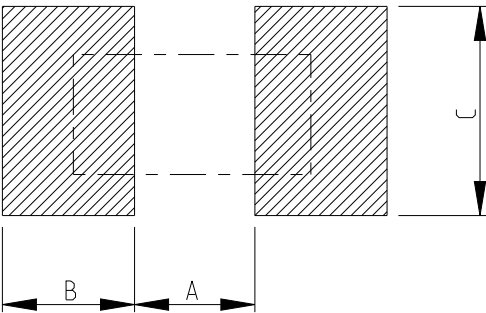


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

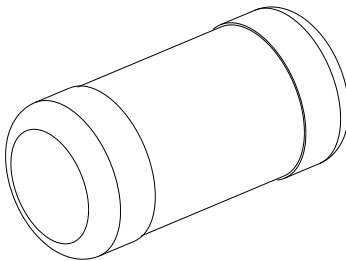
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN

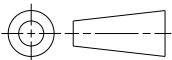


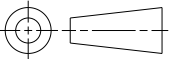
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

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	CAGE CODE	DRAWING NO	RESTRICTED TO
		WEIGHT -		A 3	00779	Ⓒ=2176644	-
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

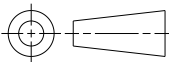
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176644-1	SMA-Q0102BTCL11K3	MELF SMA-Q 11K3 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-2	SMA-Q0102BTCL11K5	MELF SMA-Q 11K5 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-3	SMA-Q0102BTCL11K8	MELF SMA-Q 11K8 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-4	SMA-Q0102BTCL12K1	MELF SMA-Q 12K1 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-5	SMA-Q0102BTCL12K4	MELF SMA-Q 12K4 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-6	SMA-Q0102BTCL12K7	MELF SMA-Q 12K7 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-7	SMA-Q0102BTCL13K	MELF SMA-Q 13K 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-8	SMA-Q0102BTCL13K3	MELF SMA-Q 13K3 0.1% 25PPM 0102 0.3W	PRODUCTION
2176644-9	SMA-Q0102BTCL13K7	MELF SMA-Q 13K7 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-0	SMA-Q0102BTCL14K	MELF SMA-Q 14K 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-1	SMA-Q0102BTCL14K3	MELF SMA-Q 14K3 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-2	SMA-Q0102BTCL14K7	MELF SMA-Q 14K7 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-3	SMA-Q0102BTCL15K	MELF SMA-Q 15K 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-4	SMA-Q0102BTCL15K4	MELF SMA-Q 15K4 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-5	SMA-Q0102BTCL15K8	MELF SMA-Q 15K8 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-6	SMA-Q0102BTCL16K2	MELF SMA-Q 16K2 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-7	SMA-Q0102BTCL16K5	MELF SMA-Q 16K5 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-8	SMA-Q0102BTCL16K9	MELF SMA-Q 16K9 0.1% 25PPM 0102 0.3W	PRODUCTION
1-2176644-9	SMA-Q0102BTCL17K4	MELF SMA-Q 17K4 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-0	SMA-Q0102BTCL17K8	MELF SMA-Q 17K8 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-1	SMA-Q0102BTCL18K2	MELF SMA-Q 18K2 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-2	SMA-Q0102BTCL18K7	MELF SMA-Q 18K7 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-3	SMA-Q0102BTCL19K1	MELF SMA-Q 19K1 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-4	SMA-Q0102BTCL19K6	MELF SMA-Q 19K6 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-5	SMA-Q0102BTCL20K	MELF SMA-Q 20K 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-6	SMA-Q0102BTCL20K5	MELF SMA-Q 20K5 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-7	SMA-Q0102BTCL21K	MELF SMA-Q 21K 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-8	SMA-Q0102BTCL21K5	MELF SMA-Q 21K5 0.1% 25PPM 0102 0.3W	PRODUCTION
2-2176644-9	SMA-Q0102BTCL22K1	MELF SMA-Q 22K1 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-0	SMA-Q0102BTCL22K6	MELF SMA-Q 22K6 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-1	SMA-Q0102BTCL23K2	MELF SMA-Q 23K2 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-2	SMA-Q0102BTCL23K7	MELF SMA-Q 23K7 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-3	SMA-Q0102BTCL24K3	MELF SMA-Q 24K3 0.1% 25PPM 0102 0.3W	PRODUCTION

SCHEDULE

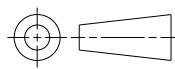
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176644-4	SMA-Q0102BTCL24K9	MELF SMA-Q 24K9 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-5	SMA-Q0102BTCL25K5	MELF SMA-Q 25K5 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-6	SMA-Q0102BTCL26K1	MELF SMA-Q 26K1 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-7	SMA-Q0102BTCL26K7	MELF SMA-Q 26K7 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-8	SMA-Q0102BTCL27K4	MELF SMA-Q 27K4 0.1% 25PPM 0102 0.3W	PRODUCTION
3-2176644-9	SMA-Q0102BTCL28K	MELF SMA-Q 28K 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-0	SMA-Q0102BTCL28K7	MELF SMA-Q 28K7 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-1	SMA-Q0102BTCL29K4	MELF SMA-Q 29K4 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-2	SMA-Q0102BTCL30K1	MELF SMA-Q 30K1 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-3	SMA-Q0102BTCL30K9	MELF SMA-Q 30K9 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-4	SMA-Q0102BTCL31K6	MELF SMA-Q 31K6 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-5	SMA-Q0102BTCL32K4	MELF SMA-Q 32K4 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-6	SMA-Q0102BTCL33K2	MELF SMA-Q 33K2 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-7	SMA-Q0102BTCL34K	MELF SMA-Q 34K 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-8	SMA-Q0102BTCL34K8	MELF SMA-Q 34K8 0.1% 25PPM 0102 0.3W	PRODUCTION
4-2176644-9	SMA-Q0102BTCL35K7	MELF SMA-Q 35K7 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-0	SMA-Q0102BTCL36K5	MELF SMA-Q 36K5 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-1	SMA-Q0102BTCL37K4	MELF SMA-Q 37K4 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-2	SMA-Q0102BTCL38K3	MELF SMA-Q 38K3 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-3	SMA-Q0102BTCL39K2	MELF SMA-Q 39K2 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-4	SMA-Q0102BTCL40K2	MELF SMA-Q 40K2 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-5	SMA-Q0102BTCL41K2	MELF SMA-Q 41K2 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-6	SMA-Q0102BTCL42K2	MELF SMA-Q 42K2 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-7	SMA-Q0102BTCL43K2	MELF SMA-Q 43K2 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-8	SMA-Q0102BTCL44K2	MELF SMA-Q 44K2 0.1% 25PPM 0102 0.3W	PRODUCTION
5-2176644-9	SMA-Q0102BTCL45K3	MELF SMA-Q 45K3 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-0	SMA-Q0102BTCL46K4	MELF SMA-Q 46K4 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-1	SMA-Q0102BTCL47K5	MELF SMA-Q 47K5 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-2	SMA-Q0102BTCL48K7	MELF SMA-Q 48K7 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-3	SMA-Q0102BTCL49K9	MELF SMA-Q 49K9 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-4	SMA-Q0102BTCL51K1	MELF SMA-Q 51K1 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-5	SMA-Q0102BTCL52K3	MELF SMA-Q 52K3 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-6	SMA-Q0102BTCL53K6	MELF SMA-Q 53K6 0.1% 25PPM 0102 0.3W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M	22NOV2023	TE Connectivity		
		CHK TRACY G	22NOV2023			
		APVD ALLAN P	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°		PRODUCT SPEC -		
				APPLICATION SPEC -		
MATERIAL -		FINISH -		WEIGHT -		
CUSTOMER DRAWING				SCALE 40:1	SHEET 2 OF 3	REV BA

REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176644-7	SMA-Q0102BTCL54K9	MELF SMA-Q 54K9 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-8	SMA-Q0102BTCL56K2	MELF SMA-Q 56K2 0.1% 25PPM 0102 0.3W	PRODUCTION
6-2176644-9	SMA-Q0102BTCL57K6	MELF SMA-Q 57K6 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-0	SMA-Q0102BTCL59K	MELF SMA-Q 59K 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-1	SMA-Q0102BTCL60K4	MELF SMA-Q 60K4 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-2	SMA-Q0102BTCL61K9	MELF SMA-Q 61K9 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-3	SMA-Q0102BTCL63K4	MELF SMA-Q 63K4 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-4	SMA-Q0102BTCL64K9	MELF SMA-Q 64K9 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-5	SMA-Q0102BTCL66K5	MELF SMA-Q 66K5 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-6	SMA-Q0102BTCL68K1	MELF SMA-Q 68K1 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-7	SMA-Q0102BTCL69K8	MELF SMA-Q 69K8 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-8	SMA-Q0102BTCL71K5	MELF SMA-Q 71K5 0.1% 25PPM 0102 0.3W	PRODUCTION
7-2176644-9	SMA-Q0102BTCL73K2	MELF SMA-Q 73K2 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176644-0	SMA-Q0102BTCL75K	MELF SMA-Q 75K 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176644-1	SMA-Q0102BTCL76K8	MELF SMA-Q 76K8 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176644-2	SMA-Q0102BTCL78K7	MELF SMA-Q 78K7 0.1% 25PPM 0102 0.3W	PRODUCTION
8-2176644-3	SMA-Q0102BTCL80K6	MELF SMA-Q 80K6 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		APVD ALLAN P 22NOV2023	NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0102 SERIES				
		PRODUCT SPEC -					
		APPLICATION SPEC -	SIZE A3 CAGE CODE 00779 DRAWING NO C=2176644 RESTRICTED TO -				
MATERIAL -		WEIGHT -					
		CUSTOMER DRAWING	SCALE 40:1		SHEET 3 OF 3		REV BA