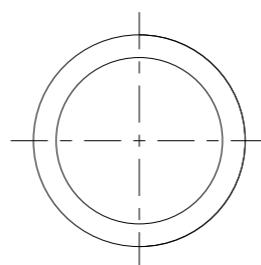
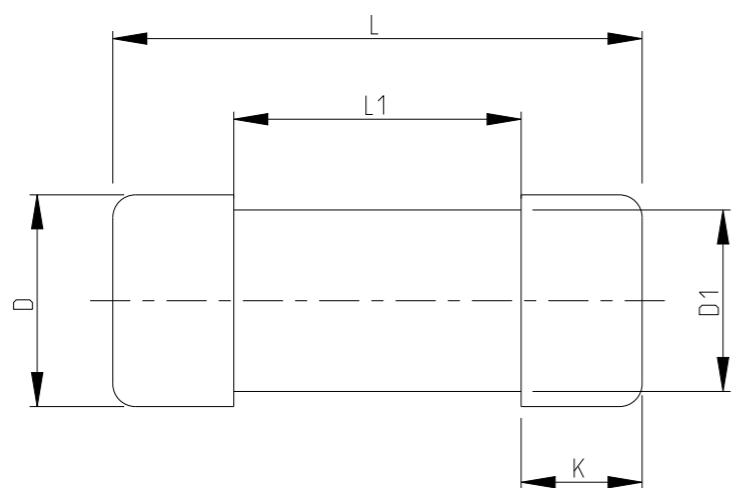


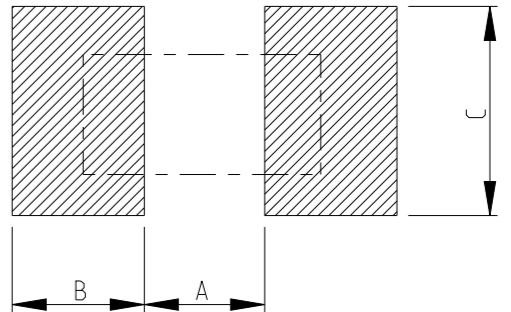
## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
BA		INITIAL DRAWING RELEASE	22NOV2023	DM	AP
BA1		NEW SCHEDULE ADDED	22DEC2023	DM	AP



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

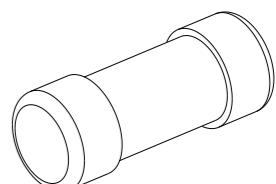
## RECOMMENDED LAND PATTERN



TYPE	L (mm)	L1 min. (mm)	ØD (mm)	ØD1 (mm)	K (mm)	WEIGHT MG EA
SMA-Q 0204	3.5±0.2	1.7	1.4±0.15	D +0/-0.2	0.8±0.1	18.7

SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0204	1.6	1.2	1.6

RoHS Compliant



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

MATERIAL	FINISH	WEIGHT
-	-	-
-	-	-

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 0204 SERIES

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A 3	00779	C=2176688	-
CUSTOMER DRAWING			SCALE 20:1
SHEET 1 OF 3			REV BA1

## REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176688-1	SMA-Q0204VZR	MELF SMA-Q 0.25W ZEROHM 0204 3A	PRODUCTION
2176688-2	SMA-Q0204BTCV10R	MELF SMA-Q 10R 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-3	SMA-Q0204BTCV10R2	MELF SMA-Q 10R2 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-4	SMA-Q0204BTCV10R5	MELF SMA-Q 10R5 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-5	SMA-Q0204BTCV10R7	MELF SMA-Q 10R7 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-6	SMA-Q0204BTCV11R	MELF SMA-Q 11R 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-7	SMA-Q0204BTCV11R3	MELF SMA-Q 11R3 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-8	SMA-Q0204BTCV11R5	MELF SMA-Q 11R5 0.1% 25PPM 0204 0.25W	PRODUCTION
2176688-9	SMA-Q0204BTCV11R8	MELF SMA-Q 11R8 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-0	SMA-Q0204BTCV12R1	MELF SMA-Q 12R1 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-1	SMA-Q0204BTCV12R4	MELF SMA-Q 12R4 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-2	SMA-Q0204BTCV12R7	MELF SMA-Q 12R7 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-3	SMA-Q0204BTCV13R	MELF SMA-Q 13R 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-4	SMA-Q0204BTCV13R3	MELF SMA-Q 13R3 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-5	SMA-Q0204BTCV13R7	MELF SMA-Q 13R7 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-6	SMA-Q0204BTCV14R	MELF SMA-Q 14R 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-7	SMA-Q0204BTCV14R3	MELF SMA-Q 14R3 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-8	SMA-Q0204BTCV14R7	MELF SMA-Q 14R7 0.1% 25PPM 0204 0.25W	PRODUCTION
1-2176688-9	SMA-Q0204BTCV15R	MELF SMA-Q 15R 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-0	SMA-Q0204BTCV15R4	MELF SMA-Q 15R4 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-1	SMA-Q0204BTCV15R8	MELF SMA-Q 15R8 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-2	SMA-Q0204BTCV16R2	MELF SMA-Q 16R2 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-3	SMA-Q0204BTCV16R5	MELF SMA-Q 16R5 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-4	SMA-Q0204BTCV16R9	MELF SMA-Q 16R9 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-5	SMA-Q0204BTCV17R4	MELF SMA-Q 17R4 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-6	SMA-Q0204BTCV17R8	MELF SMA-Q 17R8 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-7	SMA-Q0204BTCV18R2	MELF SMA-Q 18R2 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-8	SMA-Q0204BTCV18R7	MELF SMA-Q 18R7 0.1% 25PPM 0204 0.25W	PRODUCTION
2-2176688-9	SMA-Q0204BTCV19R1	MELF SMA-Q 19R1 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-0	SMA-Q0204BTCV19R6	MELF SMA-Q 19R6 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-1	SMA-Q0204BTCV20R	MELF SMA-Q 20R 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-2	SMA-Q0204BTCV20R5	MELF SMA-Q 20R5 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-3	SMA-Q0204BTCV21R	MELF SMA-Q 21R 0.1% 25PPM 0204 0.25W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176688-4	SMA-Q0204BTCV21R5	MELF SMA-Q 21R5 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-5	SMA-Q0204BTCV22R1	MELF SMA-Q 22R1 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-6	SMA-Q0204BTCV22R6	MELF SMA-Q 22R6 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-7	SMA-Q0204BTCV23R2	MELF SMA-Q 23R2 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-8	SMA-Q0204BTCV23R7	MELF SMA-Q 23R7 0.1% 25PPM 0204 0.25W	PRODUCTION
3-2176688-9	SMA-Q0204BTCV24R3	MELF SMA-Q 24R3 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-0	SMA-Q0204BTCV24R9	MELF SMA-Q 24R9 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-1	SMA-Q0204BTCV25R5	MELF SMA-Q 25R5 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-2	SMA-Q0204BTCV26R1	MELF SMA-Q 26R1 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-3	SMA-Q0204BTCV26R7	MELF SMA-Q 26R7 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-4	SMA-Q0204BTCV27R4	MELF SMA-Q 27R4 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-5	SMA-Q0204BTCV28R	MELF SMA-Q 28R 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-6	SMA-Q0204BTCV28R7	MELF SMA-Q 28R7 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-7	SMA-Q0204BTCV29R4	MELF SMA-Q 29R4 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-8	SMA-Q0204BTCV30R1	MELF SMA-Q 30R1 0.1% 25PPM 0204 0.25W	PRODUCTION
4-2176688-9	SMA-Q0204BTCV30R9	MELF SMA-Q 30R9 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-0	SMA-Q0204BTCV31R6	MELF SMA-Q 31R6 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-1	SMA-Q0204BTCV32R4	MELF SMA-Q 32R4 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-2	SMA-Q0204BTCV33R2	MELF SMA-Q 33R2 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-3	SMA-Q0204BTCV34R	MELF SMA-Q 34R 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-4	SMA-Q0204BTCV34R8	MELF SMA-Q 34R8 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-5	SMA-Q0204BTCV35R7	MELF SMA-Q 35R7 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-6	SMA-Q0204BTCV36R5	MELF SMA-Q 36R5 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-7	SMA-Q0204BTCV37R4	MELF SMA-Q 37R4 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-8	SMA-Q0204BTCV38R3	MELF SMA-Q 38R3 0.1% 25PPM 0204 0.25W	PRODUCTION
5-2176688-9	SMA-Q0204BTCV39R2	MELF SMA-Q 39R2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-0	SMA-Q0204BTCV40R2	MELF SMA-Q 40R2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-1	SMA-Q0204BTCV41R2	MELF SMA-Q 41R2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-2	SMA-Q0204BTCV42R2	MELF SMA-Q 42R2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-3	SMA-Q0204BTCV43R2	MELF SMA-Q 43R2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-4	SMA-Q0204BTCV44R2	MELF SMA-Q 44R2 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-5	SMA-Q0204BTCV45R3	MELF SMA-Q 45R3 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-6	SMA-Q0204BTCV46R4	MELF SMA-Q 46R4 0.1% 25PPM 0204 0.25W	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	± $15^\circ$	
MATERIAL	FINISH	WEIGHT
-	-	-
CUSTOMER DRAWING		SCALE
C-2176688		40:1
DRAWING NO		REVISION
A3	00779	BA1
SIZE		2 OF 3
CAGE CODE		REV
NAME		TE Connectivity
METAL FILM PRECISION MELF RESISTORS		
AEC-Q200 QUALIFIED TYPE		
SMA-Q 0204 SERIES		

## REVISIONS

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

## SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176688-7	SMA-Q0204BTCV47R5	MELF SMA-Q 47R5 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-8	SMA-Q0204BTCV48R7	MELF SMA-Q 48R7 0.1% 25PPM 0204 0.25W	PRODUCTION
6-2176688-9	SMA-Q0204BTCV49R9	MELF SMA-Q 49R9 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-0	SMA-Q0204BTCV51R1	MELF SMA-Q 51R1 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-1	SMA-Q0204BTCV52R3	MELF SMA-Q 52R3 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-2	SMA-Q0204BTCV53R6	MELF SMA-Q 53R6 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-3	SMA-Q0204BTCV54R9	MELF SMA-Q 54R9 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-4	SMA-Q0204BTCV56R2	MELF SMA-Q 56R2 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-5	SMA-Q0204BTCV57R6	MELF SMA-Q 57R6 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-6	SMA-Q0204BTCV59R	MELF SMA-Q 59R 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-7	SMA-Q0204BTCV60R4	MELF SMA-Q 60R4 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-8	SMA-Q0204BTCV61R9	MELF SMA-Q 61R9 0.1% 25PPM 0204 0.25W	PRODUCTION
7-2176688-9	SMA-Q0204BTCV63R4	MELF SMA-Q 63R4 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-0	SMA-Q0204BTCV64R9	MELF SMA-Q 64R9 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-1	SMA-Q0204BTCV66R5	MELF SMA-Q 66R5 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-2	SMA-Q0204BTCV68R1	MELF SMA-Q 68R1 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-3	SMA-Q0204BTCV69R8	MELF SMA-Q 69R8 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-4	SMA-Q0204BTCV71R5	MELF SMA-Q 71R5 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-5	SMA-Q0204BTCV73R2	MELF SMA-Q 73R2 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-6	SMA-Q0204BTCV75R	MELF SMA-Q 75R 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-7	SMA-Q0204BTCV76R8	MELF SMA-Q 76R8 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-8	SMA-Q0204BTCV78R7	MELF SMA-Q 78R7 0.1% 25PPM 0204 0.25W	PRODUCTION
8-2176688-9	SMA-Q0204BTCV80R6	MELF SMA-Q 80R6 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-0	SMA-Q0204BTCV82R5	MELF SMA-Q 82R5 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-1	SMA-Q0204BTCV84R5	MELF SMA-Q 84R5 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-2	SMA-Q0204BTCV86R6	MELF SMA-Q 86R6 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-3	SMA-Q0204BTCV88R7	MELF SMA-Q 88R7 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-4	SMA-Q0204BTCV90R9	MELF SMA-Q 90R9 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-5	SMA-Q0204BTCV93R1	MELF SMA-Q 93R1 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-6	SMA-Q0204BTCV95R3	MELF SMA-Q 95R3 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-7	SMA-Q0204BTCV97R6	MELF SMA-Q 97R6 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-8	SMA-Q0204BTCV100R	MELF SMA-Q 100R 0.1% 25PPM 0204 0.25W	PRODUCTION
9-2176688-9	SMA-Q0204BTCV102R	MELF SMA-Q 102R 0.1% 25PPM 0204 0.25W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.

## DIMENSIONS:

mm

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC	$\pm 0.2$
1 PLC	$\pm 0.1$
2 PLC	$\pm -$
3 PLC	$\pm -$
4 PLC ANGLES	$\pm -$

DWN DHEERAJ M 22NOV2023

CHK TRACY G 22NOV2023

APVD ALLAN P 22NOV2023

PRODUCT SPEC

-

APPLICATION SPEC

-

-

NAME

METAL FILM PRECISION MELF RESISTORS  
AEC-Q200 QUALIFIED TYPE  
SMA-Q 0204 SERIES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

-

A3

00779

C=2176688

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