

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWING RELEASE	20MAR2024	DM	AP

NOTES:

1 FOR FURTHER INFORMATION SEE DATA SHEET FOR HS SERIES-ALUMINIUM HOUSED RESISTORS

2 FOR A SPECIFIC PN FOR A RESISTANCE VALUE AND TOLERANCE, PLEASE REFER TO TE.COM

3 TECHNICAL SPECIFICATION

DISSIPATION AT 25°C : 500 WATTS MOUNTED ON STANDARD HEATSINK

RESISTANCE RANGE : 1R0 TO 100K

STABILITY : $\Delta R \leq 3\%$ PER 1000Hrs

ISOLATION VOLTAGE : 3600V DC/AC pk

MAX. WORKING VOLTAGE : 2500V DC/AC rms

TEMP COEFFICIENT : $\leq 100R$, 50ppm

$>100R$, 25ppm

CLIMATIC CATEGORY : 55/200/56

LASER MARKING TE LOGO PN VALUE
TOLERANCE & DATE CODE

6 HOLES, $\varnothing 6.5$

5.6 MIN.

59.0 $\pm$ 0.3

90.0 $\pm$ 0.3

90.0 $\pm$ 0.3

11.5 $\pm$ 0.1

M6 ST/STEEL TERMINAL STUDS
EACH SUPPLIED WITH-
2 OFF M6 ST/STEEL FULL NUTS
2 OFF M6 ST/STEEL PLAIN WASHERS

GOLD ANODISED
ALUMINIUM HOUSING

253.0 MAX.

204.0 MAX.

42.0 MAX.

5.0 MIN.

73.0 MAX.

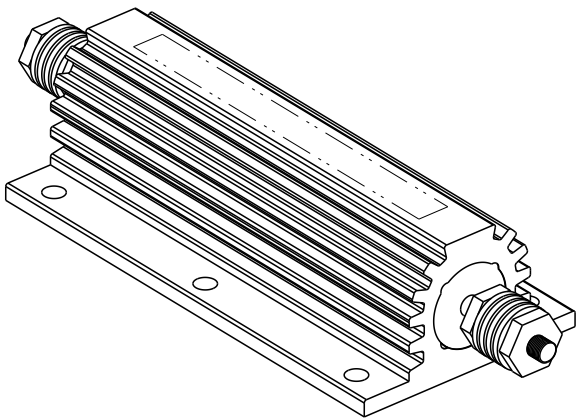
20.25 $\pm$ 0.5

20.0

THREAD M6

25.0 NOM.

RoHS Compliant



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN 20MAR2024

CHK 20MAR2024

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PRODUCT SPEC

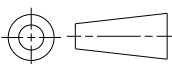
APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:

mm



MATERIAL

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± 0.5
1 PLC ± 0.2
2 PLC ± 0.1
3 PLC $\pm$
4 PLC $\pm$
ANGLES $\pm 5^\circ$

FINISH



TE Connectivity

NAME
ALUMINIUM HOUSED POWER RESISTORS
TYPE HSHC500 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2176736

SCALE 1:2 SHEET 1 OF 3 REV A

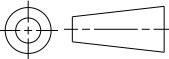
REVISIONS

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

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176736-1	SHC5001R0J	SHC500 1R0 5%	PRODUCTION
2176736-2	SHC5001R2J	SHC500 1R2 5%	PRODUCTION
2176736-3	SHC5001R5J	SHC500 1R5 5%	PRODUCTION
2176736-4	SHC5001R8J	SHC500 1R8 5%	PRODUCTION
2176736-5	SHC5002R2J	SHC500 2R2 5%	PRODUCTION
2176736-6	SHC5002R7J	SHC500 2R7 5%	PRODUCTION
2176736-7	SHC5003R3J	SHC500 3R3 5%	PRODUCTION
2176736-8	SHC5003R9J	SHC500 3R9 5%	PRODUCTION
2176736-9	SHC5004R7J	SHC500 4R7 5%	PRODUCTION
1-2176736-0	SHC5005R6J	SHC500 5R6 5%	PRODUCTION
1-2176736-1	SHC5006R8J	SHC500 6R8 5%	PRODUCTION
1-2176736-2	SHC5008R2J	SHC500 8R2 5%	PRODUCTION
1-2176736-3	SHC50010RJ	SHC500 10R 5%	PRODUCTION
1-2176736-4	SHC50012RJ	SHC500 12R 5%	PRODUCTION
1-2176736-5	SHC50015RJ	SHC500 15R 5%	PRODUCTION
1-2176736-6	SHC50018RJ	SHC500 18R 5%	PRODUCTION
1-2176736-7	SHC50022RJ	SHC500 22R 5%	PRODUCTION
1-2176736-8	SHC50027RJ	SHC500 27R 5%	PRODUCTION
1-2176736-9	SHC50033RJ	SHC500 33R 5%	PRODUCTION
2-2176736-0	SHC50039RJ	SHC500 39R 5%	PRODUCTION
2-2176736-1	SHC50047RJ	SHC500 47R 5%	PRODUCTION
2-2176736-2	SHC50056RJ	SHC500 56R 5%	PRODUCTION
2-2176736-3	SHC50068RJ	SHC500 68R 5%	PRODUCTION
2-2176736-4	SHC50082RJ	SHC500 82R 5%	PRODUCTION
2-2176736-5	SHC500100RJ	SHC500 100R 5%	PRODUCTION
2-2176736-6	SHC500120RJ	SHC500 120R 5%	PRODUCTION
2-2176736-7	SHC500150RJ	SHC500 150R 5%	PRODUCTION
2-2176736-8	SHC500180RJ	SHC500 180R 5%	PRODUCTION
2-2176736-9	SHC500220RJ	SHC500 220R 5%	PRODUCTION
3-2176736-0	SHC500270RJ	SHC500 270R 5%	PRODUCTION

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DIMENSIONS:
mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.5

1 PLC ±0.2

2 PLC ±0.1

3 PLC ±

4 PLC ±

ANGLES ±5°

MATERIAL

-

-

DWN
DHEERAJ M
20MAR2024

CHK
TRACY G
20MAR2024

APVD
ALLAN P
20MAR2024

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

NAME
ALUMINIUM HOUSED POWER RESISTORS
TYPE SHC500 SERIES

SIZE
A 3

CAGE CODE
00779

DRAWING NO
C-2176736

RESTRICTED TO
-

SCALE
1:1

SHEET
2 OF 3

REV
A

TE Connectivity

CUSTOMER DRAWING

1470-19 (3/13)

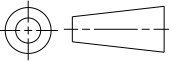
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SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176736-1	SHC500330RJ	SHC500 330R 5%	PRODUCTION
3-2176736-2	SHC500390RJ	SHC500 390R 5%	PRODUCTION
3-2176736-3	SHC500470RJ	SHC500 470R 5%	PRODUCTION
3-2176736-4	SHC500560RJ	SHC500 560R 5%	PRODUCTION
3-2176736-5	SHC500680RJ	SHC500 680R 5%	PRODUCTION
3-2176736-6	SHC500820RJ	SHC500 820R 5%	PRODUCTION
3-2176736-7	SHC5001K0J	SHC500 1K0 5%	PRODUCTION
3-2176736-8	SHC5001K2J	SHC500 1K2 5%	PRODUCTION
3-2176736-9	SHC5001K5J	SHC500 1K5 5%	PRODUCTION
4-2176736-0	SHC5001K8J	SHC500 1K8 5%	PRODUCTION
4-2176736-1	SHC5002K2J	SHC500 2K2 5%	PRODUCTION
4-2176736-2	SHC5002K7J	SHC500 2K7 5%	PRODUCTION
4-2176736-3	SHC5003K3J	SHC500 3K3 5%	PRODUCTION
4-2176736-4	SHC5003K9J	SHC500 3K9 5%	PRODUCTION
4-2176736-5	SHC5004K7J	SHC500 4K7 5%	PRODUCTION
4-2176736-6	SHC5005K6J	SHC500 5K6 5%	PRODUCTION
4-2176736-7	SHC5006K8J	SHC500 6K8 5%	PRODUCTION
4-2176736-8	SHC5008K2J	SHC500 8K2 5%	PRODUCTION
4-2176736-9	SHC50010KJ	SHC500 10K 5%	PRODUCTION
5-2176736-0	SHC50012KJ	SHC500 12K 5%	PRODUCTION
5-2176736-1	SHC50015KJ	SHC500 15K 5%	PRODUCTION
5-2176736-2	SHC50018KJ	SHC500 18K 5%	PRODUCTION
5-2176736-3	SHC50022KJ	SHC500 22K 5%	PRODUCTION
5-2176736-4	SHC50027KJ	SHC500 27K 5%	PRODUCTION
5-2176736-5	SHC50033KJ	SHC500 33K 5%	PRODUCTION
5-2176736-6	SHC50039KJ	SHC500 39K 5%	PRODUCTION
5-2176736-7	SHC50047KJ	SHC500 47K 5%	PRODUCTION
5-2176736-8	SHC50056KJ	SHC500 56K 5%	PRODUCTION
5-2176736-9	SHC50068KJ	SHC500 68K 5%	PRODUCTION
6-2176736-0	SHC50082KJ	SHC500 82K 5%	PRODUCTION
6-2176736-1	SHC500100KJ	SHC500 100K 5%	PRODUCTION

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3 OF 3

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1470-19 (3/13)