

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 : 450 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

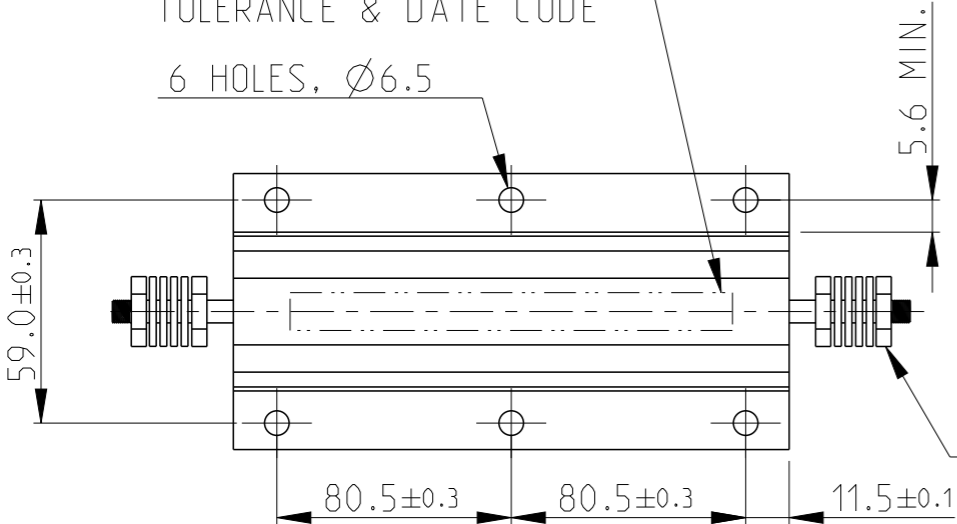
TEMP COEFFICIENT : $\leq 100R$, 50ppm

$>100R$, 25ppm

CLIMATIC CATEGORY : 55/200/56

LASER MARKING TE LOGO PN VALUE
TOLERANCE & DATE CODE

6 HOLES, $\varnothing 6.5$

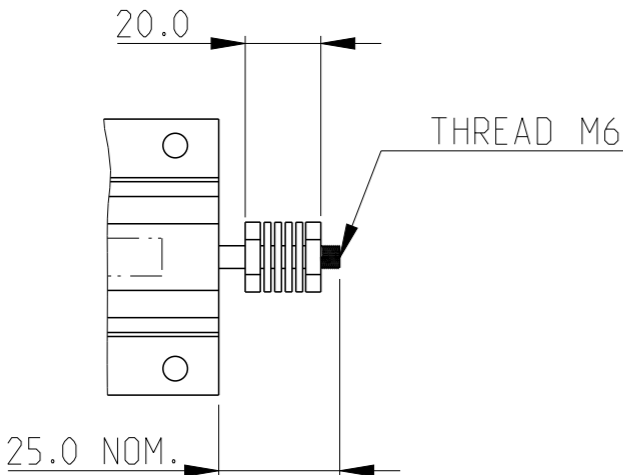
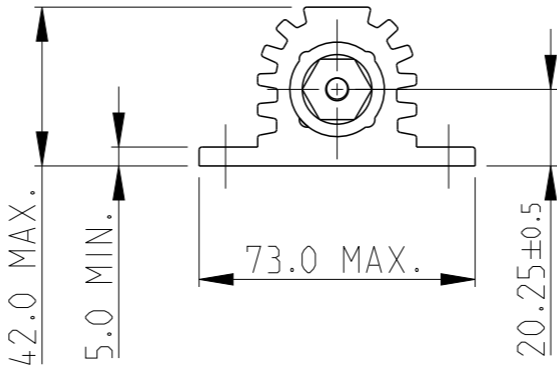
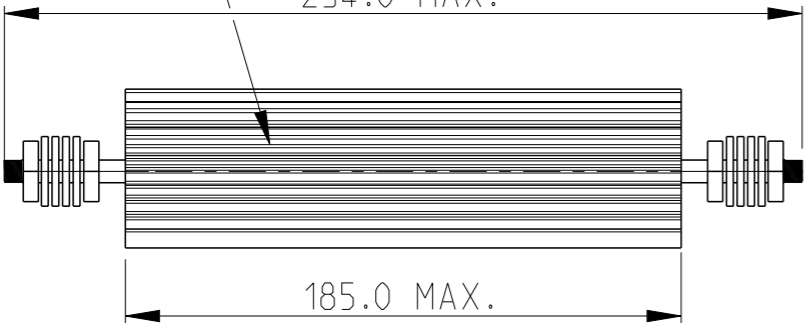


M6 ST/STEEL TERMINAL STUDS
EACH SUPPLIED WITH-
2 OFF M6 ST/STEEL FULL NUTS
2 OFF M6 ST/STEEL PLAIN WASHERS

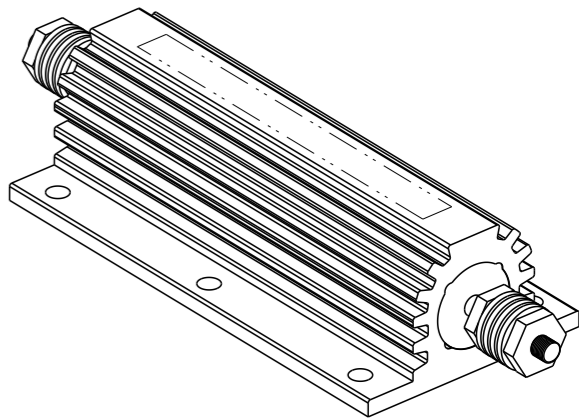
GOLD ANODISED
ALUMINIUM HOUSING

234.0 MAX.

185.0 MAX.



RoHS Compliant



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN 20MAR2024

CHK 20MAR2024

APVD 20MAR2024

PRODUCT SPEC

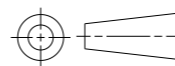
APPLICATION SPEC

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 HSHC450 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2176735

SCALE 1:2 SHEET 1 OF 3 REV A

REVISIONS

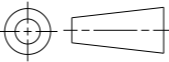
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176735-1	SHC4501R0J	SHC450 1R0 5%	PRODUCTION
2176735-2	SHC4501R2J	SHC450 1R2 5%	PRODUCTION
2176735-3	SHC4501R5J	SHC450 1R5 5%	PRODUCTION
2176735-4	SHC4501R8J	SHC450 1R8 5%	PRODUCTION
2176735-5	SHC4502R2J	SHC450 2R2 5%	PRODUCTION
2176735-6	SHC4502R7J	SHC450 2R7 5%	PRODUCTION
2176735-7	SHC4503R3J	SHC450 3R3 5%	PRODUCTION
2176735-8	SHC4503R9J	SHC450 3R9 5%	PRODUCTION
2176735-9	SHC4504R7J	SHC450 4R7 5%	PRODUCTION
1-2176735-0	SHC4505R6J	SHC450 5R6 5%	PRODUCTION
1-2176735-1	SHC4506R8J	SHC450 6R8 5%	PRODUCTION
1-2176735-2	SHC4508R2J	SHC450 8R2 5%	PRODUCTION
1-2176735-3	SHC45010RJ	SHC450 10R 5%	PRODUCTION
1-2176735-4	SHC45012RJ	SHC450 12R 5%	PRODUCTION
1-2176735-5	SHC45015RJ	SHC450 15R 5%	PRODUCTION
1-2176735-6	SHC45018RJ	SHC450 18R 5%	PRODUCTION
1-2176735-7	SHC45022RJ	SHC450 22R 5%	PRODUCTION
1-2176735-8	SHC45027RJ	SHC450 27R 5%	PRODUCTION
1-2176735-9	SHC45033RJ	SHC450 33R 5%	PRODUCTION
2-2176735-0	SHC45039RJ	SHC450 39R 5%	PRODUCTION
2-2176735-1	SHC45047RJ	SHC450 47R 5%	PRODUCTION
2-2176735-2	SHC45056RJ	SHC450 56R 5%	PRODUCTION
2-2176735-3	SHC45068RJ	SHC450 68R 5%	PRODUCTION
2-2176735-4	SHC45082RJ	SHC450 82R 5%	PRODUCTION
2-2176735-5	SHC450100RJ	SHC450 100R 5%	PRODUCTION
2-2176735-6	SHC450120RJ	SHC450 120R 5%	PRODUCTION
2-2176735-7	SHC450150RJ	SHC450 150R 5%	PRODUCTION
2-2176735-8	SHC450180RJ	SHC450 180R 5%	PRODUCTION
2-2176735-9	SHC450220RJ	SHC450 220R 5%	PRODUCTION
3-2176735-0	SHC450270RJ	SHC450 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 SHC450 SERIES

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-2176735

RESTRICTED TO
-

SCALE
1:1

SHEET
2 OF 3

REV
A

CUSTOMER DRAWING

SCALE
1:1

SHEET
2 OF 3

REV
A

1470-19 (3/13)

REVISIONS

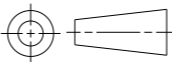
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176735-1	HSHC450330RJ	HSHC450 330R 5%	PRODUCTION
3-2176735-2	HSHC450390RJ	HSHC450 390R 5%	PRODUCTION
3-2176735-3	HSHC450470RJ	HSHC450 470R 5%	PRODUCTION
3-2176735-4	HSHC450560RJ	HSHC450 560R 5%	PRODUCTION
3-2176735-5	HSHC450680RJ	HSHC450 680R 5%	PRODUCTION
3-2176735-6	HSHC450820RJ	HSHC450 820R 5%	PRODUCTION
3-2176735-7	HSHC4501K0J	HSHC450 1K0 5%	PRODUCTION
3-2176735-8	HSHC4501K2J	HSHC450 1K2 5%	PRODUCTION
3-2176735-9	HSHC4501K5J	HSHC450 1K5 5%	PRODUCTION
4-2176735-0	HSHC4501K8J	HSHC450 1K8 5%	PRODUCTION
4-2176735-1	HSHC4502K2J	HSHC450 2K2 5%	PRODUCTION
4-2176735-2	HSHC4502K7J	HSHC450 2K7 5%	PRODUCTION
4-2176735-3	HSHC4503K3J	HSHC450 3K3 5%	PRODUCTION
4-2176735-4	HSHC4503K9J	HSHC450 3K9 5%	PRODUCTION
4-2176735-5	HSHC4504K7J	HSHC450 4K7 5%	PRODUCTION
4-2176735-6	HSHC4505K6J	HSHC450 5K6 5%	PRODUCTION
4-2176735-7	HSHC4506K8J	HSHC450 6K8 5%	PRODUCTION
4-2176735-8	HSHC4508K2J	HSHC450 8K2 5%	PRODUCTION
4-2176735-9	HSHC45010KJ	HSHC450 10K 5%	PRODUCTION
5-2176735-0	HSHC45012KJ	HSHC450 12K 5%	PRODUCTION
5-2176735-1	HSHC45015KJ	HSHC450 15K 5%	PRODUCTION
5-2176735-2	HSHC45018KJ	HSHC450 18K 5%	PRODUCTION
5-2176735-3	HSHC45022KJ	HSHC450 22K 5%	PRODUCTION
5-2176735-4	HSHC45027KJ	HSHC450 27K 5%	PRODUCTION
5-2176735-5	HSHC45033KJ	HSHC450 33K 5%	PRODUCTION
5-2176735-6	HSHC45039KJ	HSHC450 39K 5%	PRODUCTION
5-2176735-7	HSHC45047KJ	HSHC450 47K 5%	PRODUCTION
5-2176735-8	HSHC45056KJ	HSHC450 56K 5%	PRODUCTION
5-2176735-9	HSHC45068KJ	HSHC450 68K 5%	PRODUCTION
6-2176735-0	HSHC45082KJ	HSHC450 82K 5%	PRODUCTION
6-2176735-1	HSHC450100KJ	HSHC450 100K 5%	PRODUCTION

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mm



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1 PLC ±0.2
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±5°

MATERIAL

-

-

FINISH

-

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DHEERAJ M

CHK 20MAR2024

TRACY G

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ALLAN P

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TE Connectivity

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TYPE HSHC450 SERIES

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CAGE CODE

DRAWING NO

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A3

00779

©-2176735

-

SCALE

1:1

SHEET

3

OF

3

REV

A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[HSHC45022KJ](#) [HSHC4502R2J](#) [HSHC45039RJ](#) [HSHC4501K2J](#) [HSHC4501R2J](#) [HSHC4505R6J](#) [HSHC45015KJ](#)
[HSHC4503R9J](#) [HSHC45047RJ](#) [HSHC45018RJ](#) [HSHC450560RJ](#) [HSHC4501R5J](#) [HSHC4506R8J](#) [HSHC45068RJ](#)
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