

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, $\varnothing 6.5$

5.6 MIN.

59.0 $\pm$ 0.3

80.5 $\pm$ 0.3

80.5 $\pm$ 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

234.0 MAX.

185.0 MAX.

42.0 MAX.

5.0 MIN.

73.0 MAX.

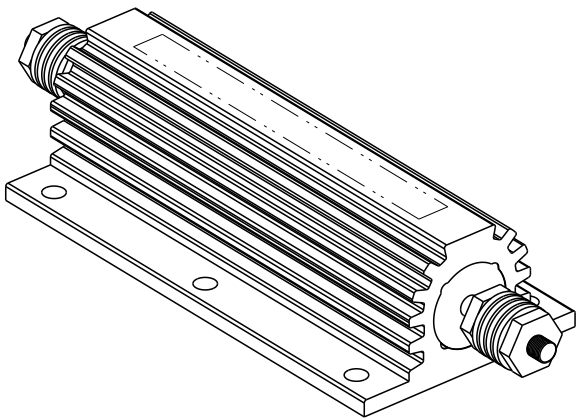
20.25 $\pm$ 0.5

20.0

THREAD M6

25.0 NOM.

RoHS Compliant



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PRODUCT SPEC

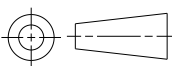
APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:
mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:



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

MATERIAL

FINISH



TE Connectivity

NAME
ALUMINIUM HOUSED POWER RESISTORS
TYPE HSHC450 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2176735

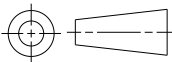
SCALE 1:2 SHEET 1 OF 3 REV A

REVISIONS

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

SCHEDULE

TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176735-1	HSHC4501R0J	HSHC450 1R0 5%	PRODUCTION
2176735-2	HSHC4501R2J	HSHC450 1R2 5%	PRODUCTION
2176735-3	HSHC4501R5J	HSHC450 1R5 5%	PRODUCTION
2176735-4	HSHC4501R8J	HSHC450 1R8 5%	PRODUCTION
2176735-5	HSHC4502R2J	HSHC450 2R2 5%	PRODUCTION
2176735-6	HSHC4502R7J	HSHC450 2R7 5%	PRODUCTION
2176735-7	HSHC4503R3J	HSHC450 3R3 5%	PRODUCTION
2176735-8	HSHC4503R9J	HSHC450 3R9 5%	PRODUCTION
2176735-9	HSHC4504R7J	HSHC450 4R7 5%	PRODUCTION
1-2176735-0	HSHC4505R6J	HSHC450 5R6 5%	PRODUCTION
1-2176735-1	HSHC4506R8J	HSHC450 6R8 5%	PRODUCTION
1-2176735-2	HSHC4508R2J	HSHC450 8R2 5%	PRODUCTION
1-2176735-3	HSHC45010RJ	HSHC450 10R 5%	PRODUCTION
1-2176735-4	HSHC45012RJ	HSHC450 12R 5%	PRODUCTION
1-2176735-5	HSHC45015RJ	HSHC450 15R 5%	PRODUCTION
1-2176735-6	HSHC45018RJ	HSHC450 18R 5%	PRODUCTION
1-2176735-7	HSHC45022RJ	HSHC450 22R 5%	PRODUCTION
1-2176735-8	HSHC45027RJ	HSHC450 27R 5%	PRODUCTION
1-2176735-9	HSHC45033RJ	HSHC450 33R 5%	PRODUCTION
2-2176735-0	HSHC45039RJ	HSHC450 39R 5%	PRODUCTION
2-2176735-1	HSHC45047RJ	HSHC450 47R 5%	PRODUCTION
2-2176735-2	HSHC45056RJ	HSHC450 56R 5%	PRODUCTION
2-2176735-3	HSHC45068RJ	HSHC450 68R 5%	PRODUCTION
2-2176735-4	HSHC45082RJ	HSHC450 82R 5%	PRODUCTION
2-2176735-5	HSHC450100RJ	HSHC450 100R 5%	PRODUCTION
2-2176735-6	HSHC450120RJ	HSHC450 120R 5%	PRODUCTION
2-2176735-7	HSHC450150RJ	HSHC450 150R 5%	PRODUCTION
2-2176735-8	HSHC450180RJ	HSHC450 180R 5%	PRODUCTION
2-2176735-9	HSHC450220RJ	HSHC450 220R 5%	PRODUCTION
3-2176735-0	HSHC450270RJ	HSHC450 270R 5%	PRODUCTION

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		CHK TRACY G 20MAR2024			
DIMENSIONS: mm		APVD ALLAN P 20MAR2024	NAME ALUMINIUM HOUSED POWER RESISTORS TYPE HSHC450 SERIES		
		PRODUCT SPEC -	SIZE A 3		
		APPLICATION SPEC -			
MATERIAL -		WEIGHT -	CAGE CODE 00779	DRAWING NO C-2176735	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 1:1	SHEET 2 OF 3	REV A

REVISIONS

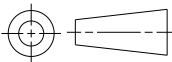
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

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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0 PLC ±0.5
1 PLC ±0.2
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±5°

MATERIAL

-

-

FINISH

-

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ALLAN P

PRODUCT SPEC

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WEIGHT

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CUSTOMER DRAWING



TE Connectivity

NAME
ALUMINIUM HOUSED POWER RESISTORS
TYPE HSHC450 SERIES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

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-

SCALE

1:1

SHEET

3

OF

3

REV

A