

| 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 : 75 WATTS MOUNTED ON STANDARD HEATSINK

RESISTANCE RANGE : R05 TO 50K

STABILITY :  $\Delta R < = 2\%$  PER 1000Hrs

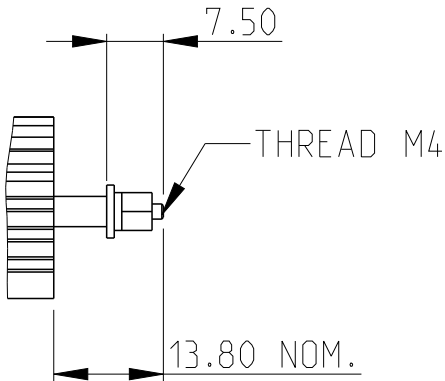
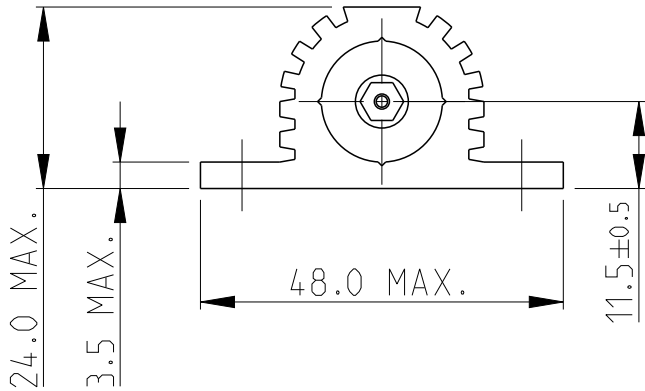
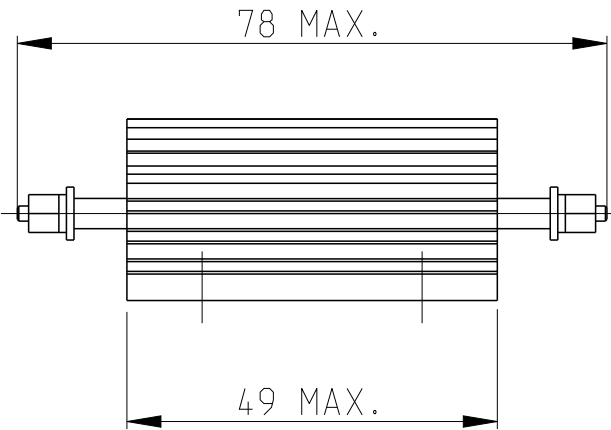
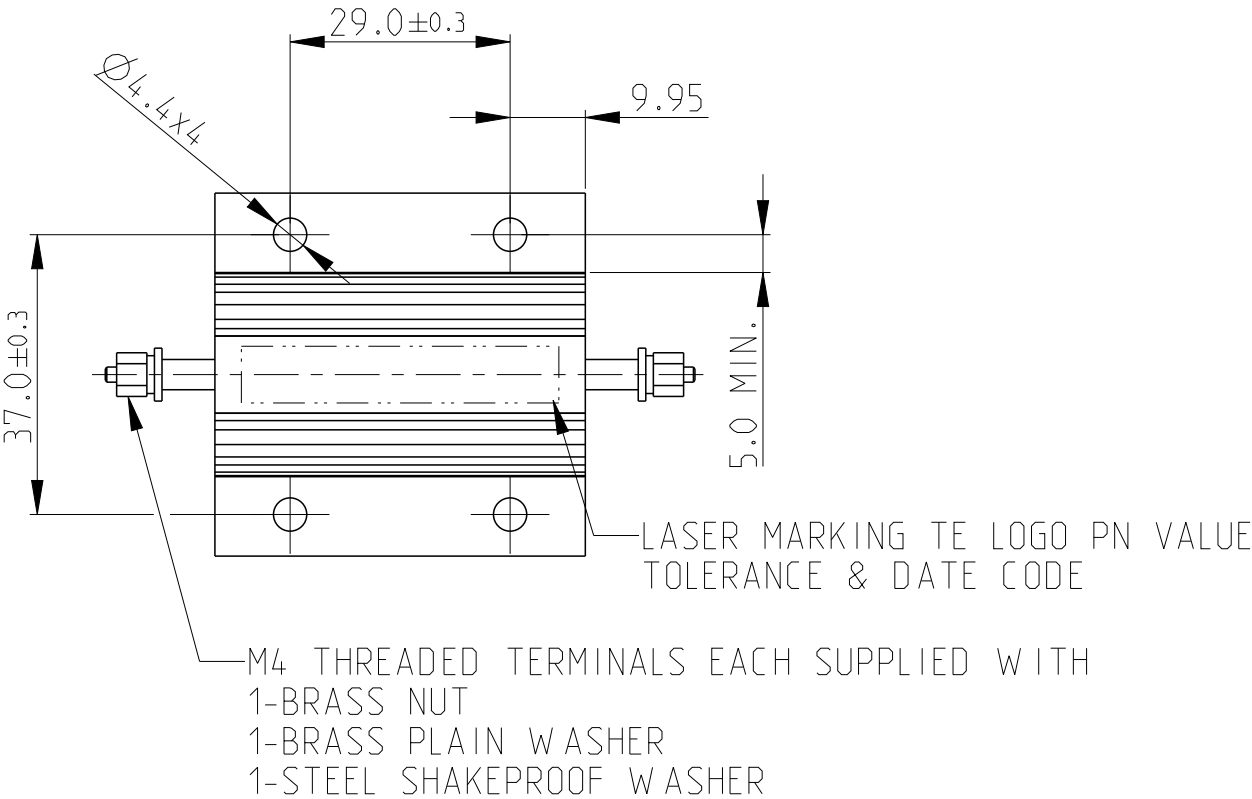
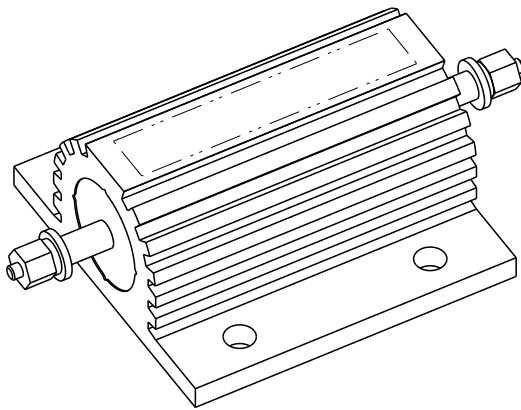
ISOLATION VOLTAGE : 3500V DC/AC pk

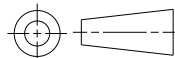
MAX. WORKING VOLTAGE : 1400V DC/AC rms

TEMP COEFFICIENT :  $\leq 100R, 50ppm$   
 $> 100R, 25ppm$

CLIMATIC CATEGORY : 55/200/56

RoHS Compliant

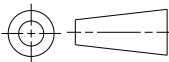


|                                                                                       |  |                                        |  |                                                                                                                 |  |                                                  |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>DHEERAJ M<br>20MAR2024          |  | <div>TE Connectivity</div> |  |                                                  |  |
| DIMENSIONS:<br>mm                                                                     |  | CHK<br>TRACY G<br>20MAR2024            |  |                                                                                                                 |  |                                                  |  |
|  |  | APVD<br>ALLAN P<br>20MAR2024           |  | NAME<br>ALUMINIUM HOUSED POWER RESISTORS<br>TYPE HSC75S SCREW TERMINAL SERIES                                   |  |                                                  |  |
|                                                                                       |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | PRODUCT SPEC                                                                                                    |  | SIZE<br>CAGE CODE<br>DRAWING NO<br>RESTRICTED TO |  |
|                                                                                       |  | 0 PLC ±0.5                             |  | -                                                                                                               |  |                                                  |  |
|                                                                                       |  | 1 PLC ±0.2                             |  | -                                                                                                               |  |                                                  |  |
|                                                                                       |  | 2 PLC ±0.1                             |  | APPLICATION SPEC                                                                                                |  | A300779C-2176730                                 |  |
| 3 PLC ±                                                                               |  | -                                      |  |                                                                                                                 |  |                                                  |  |
| 4 PLC ±                                                                               |  | -                                      |  |                                                                                                                 |  |                                                  |  |
| ANGLES ±5°                                                                            |  | WEIGHT                                 |  | -                                                                                                               |  |                                                  |  |
| MATERIAL                                                                              |  | FINISH                                 |  | CUSTOMER DRAWING                                                                                                |  |                                                  |  |
| -                                                                                     |  | -                                      |  | SCALE 1:1                                                                                                       |  |                                                  |  |
| -                                                                                     |  | -                                      |  | SHEET 1 OF 3                                                                                                    |  |                                                  |  |
|                                                                                       |  |                                        |  | REV A                                                                                                           |  |                                                  |  |

REVISIONS

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

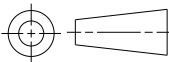
| SCHEDULE    |                  |                               |             |
|-------------|------------------|-------------------------------|-------------|
| TCPN        | CATALOGUE NUMBER | PART DESCRIPTION              | PART STATUS |
| 2176730-1   | HSC75SR056J      | HSC75S R056 5% SCREW TERMINAL | PRODUCTION  |
| 2176730-2   | HSC75SR068J      | HSC75S R068 5% SCREW TERMINAL | PRODUCTION  |
| 2176730-3   | HSC75SR082J      | HSC75S R082 5% SCREW TERMINAL | PRODUCTION  |
| 2176730-4   | HSC75SR10J       | HSC75S R10 5% SCREW TERMINAL  | PRODUCTION  |
| 2176730-5   | HSC75SR12J       | HSC75S R12 5% SCREW TERMINAL  | PRODUCTION  |
| 2176730-6   | HSC75SR15J       | HSC75S R15 5% SCREW TERMINAL  | PRODUCTION  |
| 2176730-7   | HSC75SR18J       | HSC75S R18 5% SCREW TERMINAL  | PRODUCTION  |
| 2176730-8   | HSC75SR22J       | HSC75S R22 5% SCREW TERMINAL  | PRODUCTION  |
| 2176730-9   | HSC75SR27J       | HSC75S R27 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-0 | HSC75SR33J       | HSC75S R33 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-1 | HSC75SR39J       | HSC75S R39 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-2 | HSC75SR47J       | HSC75S R47 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-3 | HSC75SR56J       | HSC75S R56 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-4 | HSC75SR68J       | HSC75S R68 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-5 | HSC75SR82J       | HSC75S R82 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-6 | HSC75S1R0J       | HSC75S 1R0 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-7 | HSC75S1R2J       | HSC75S 1R2 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-8 | HSC75S1R5J       | HSC75S 1R5 5% SCREW TERMINAL  | PRODUCTION  |
| 1-2176730-9 | HSC75S1R8J       | HSC75S 1R8 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-0 | HSC75S2R2J       | HSC75S 2R2 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-1 | HSC75S2R7J       | HSC75S 2R7 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-2 | HSC75S3R3J       | HSC75S 3R3 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-3 | HSC75S3R9J       | HSC75S 3R9 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-4 | HSC75S5R6J       | HSC75S 5R6 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-5 | HSC75S6R8J       | HSC75S 6R8 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-6 | HSC75S8R2J       | HSC75S 8R2 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-7 | HSC75S10RJ       | HSC75S 10R 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-8 | HSC75S12RJ       | HSC75S 12R 5% SCREW TERMINAL  | PRODUCTION  |
| 2-2176730-9 | HSC75S15RJ       | HSC75S 15R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-0 | HSC75S18RJ       | HSC75S 18R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-1 | HSC75S22RJ       | HSC75S 22R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-2 | HSC75S27RJ       | HSC75S 27R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-3 | HSC75S33RJ       | HSC75S 33R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-4 | HSC75S39RJ       | HSC75S 39R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-5 | HSC75S4R7J       | HSC75S 4R7 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-6 | HSC75S47RJ       | HSC75S 47R 5% SCREW TERMINAL  | PRODUCTION  |

|                                                                                       |  |                               |                                                                                                       |                         |                    |
|---------------------------------------------------------------------------------------|--|-------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>DHEERAJ M<br>20MAR2024 |  TE Connectivity |                         |                    |
|                                                                                       |  | CHK<br>TRACY G<br>20MAR2024   |                                                                                                       |                         |                    |
| DIMENSIONS:<br>mm                                                                     |  | APVD<br>ALLAN P<br>20MAR2024  | NAME<br>ALUMINIUM HOUSED POWER RESISTORS<br>TYPE HSC75S SCREW TERMINAL SERIES                         |                         |                    |
|  |  | PRODUCT SPEC<br>-             | SIZE<br>A3                                                                                            |                         |                    |
|                                                                                       |  | APPLICATION SPEC<br>-         |                                                                                                       |                         |                    |
| MATERIAL<br>-                                                                         |  | WEIGHT<br>-                   | CAGE CODE<br>00779                                                                                    | DRAWING NO<br>C-2176730 | RESTRICTED TO<br>- |
|                                                                                       |  | CUSTOMER DRAWING              |                                                                                                       |                         | SCALE<br>1:1       |
|                                                                                       |  | SHEET<br>2 OF 3               |                                                                                                       |                         | REV<br>A           |

REVISIONS

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

| SCHEDULE    |                  |                               |             |
|-------------|------------------|-------------------------------|-------------|
| TCPN        | CATALOGUE NUMBER | PART DESCRIPTION              | PART STATUS |
| 3-2176730-7 | HSC75S56RJ       | HSC75S 56R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-8 | HSC75S68RJ       | HSC75S 68R 5% SCREW TERMINAL  | PRODUCTION  |
| 3-2176730-9 | HSC75S82RJ       | HSC75S 82R 5% SCREW TERMINAL  | PRODUCTION  |
| 4-2176730-0 | HSC75S100RJ      | HSC75S 100R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-1 | HSC75S120RJ      | HSC75S 120R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-2 | HSC75S150RJ      | HSC75S 150R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-3 | HSC75S180RJ      | HSC75S 180R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-4 | HSC75S220RJ      | HSC75S 220R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-5 | HSC75S270RJ      | HSC75S 270R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-6 | HSC75S330RJ      | HSC75S 330R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-7 | HSC75S390RJ      | HSC75S 390R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-8 | HSC75S470RJ      | HSC75S 470R 5% SCREW TERMINAL | PRODUCTION  |
| 4-2176730-9 | HSC75S560RJ      | HSC75S 560R 5% SCREW TERMINAL | PRODUCTION  |
| 5-2176730-0 | HSC75S680RJ      | HSC75S 680R 5% SCREW TERMINAL | PRODUCTION  |
| 5-2176730-1 | HSC75S820RJ      | HSC75S 820R 5% SCREW TERMINAL | PRODUCTION  |
| 5-2176730-2 | HSC75S1K0J       | HSC75S 1K0 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-3 | HSC75S1K2J       | HSC75S 1K2 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-4 | HSC75S1K5J       | HSC75S 1K5 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-5 | HSC75S1K8J       | HSC75S 1K8 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-6 | HSC75S2K2J       | HSC75S 2K2 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-7 | HSC75S2K7J       | HSC75S 2K7 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-8 | HSC75S3K3J       | HSC75S 3K3 5% SCREW TERMINAL  | PRODUCTION  |
| 5-2176730-9 | HSC75S3K9J       | HSC75S 3K9 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-0 | HSC75S4K7J       | HSC75S 4K7 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-1 | HSC75S5K6J       | HSC75S 5K6 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-2 | HSC75S6K8J       | HSC75S 6K8 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-3 | HSC75S8K2J       | HSC75S 8K2 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-4 | HSC75S10KJ       | HSC75S 10K 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-5 | HSC75S12KJ       | HSC75S 12K 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-6 | HSC75S15KJ       | HSC75S 15K 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-7 | HSC75S18KJ       | HSC75S 18K 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-8 | HSC75S22KJ       | HSC75S 22K 5% SCREW TERMINAL  | PRODUCTION  |
| 6-2176730-9 | HSC75S27KJ       | HSC75S 27K 5% SCREW TERMINAL  | PRODUCTION  |
| 7-2176730-0 | HSC75S33KJ       | HSC75S 33K 5% SCREW TERMINAL  | PRODUCTION  |
| 7-2176730-1 | HSC75S39KJ       | HSC75S 39K 5% SCREW TERMINAL  | PRODUCTION  |
| 7-2176730-2 | HSC75S47KJ       | HSC75S 47K 5% SCREW TERMINAL  | PRODUCTION  |

|                                                                                       |  |                               |                                                                                                       |                         |                    |          |
|---------------------------------------------------------------------------------------|--|-------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------|--------------------|----------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>DHEERAJ M<br>20MAR2024 |  TE Connectivity |                         |                    |          |
|                                                                                       |  | CHK<br>TRACY G<br>20MAR2024   |                                                                                                       |                         |                    |          |
| DIMENSIONS:<br>mm                                                                     |  | APVD<br>ALLAN P<br>20MAR2024  | NAME<br>ALUMINIUM HOUSED POWER RESISTORS<br>TYPE HSC75S SCREW TERMINAL SERIES                         |                         |                    |          |
|  |  | PRODUCT SPEC<br>-             | SIZE<br>A3                                                                                            |                         |                    |          |
|                                                                                       |  | APPLICATION SPEC<br>-         |                                                                                                       |                         |                    |          |
| MATERIAL<br>-                                                                         |  | WEIGHT<br>-                   | CAGE CODE<br>00779                                                                                    | DRAWING NO<br>C-2176730 | RESTRICTED TO<br>- |          |
|                                                                                       |  | CUSTOMER DRAWING              |                                                                                                       | SCALE<br>1:1            | SHEET<br>3 OF 3    | REV<br>A |