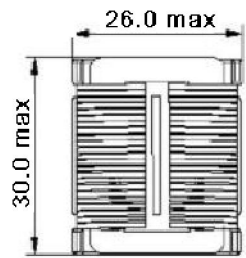
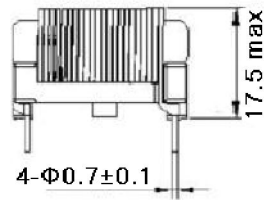


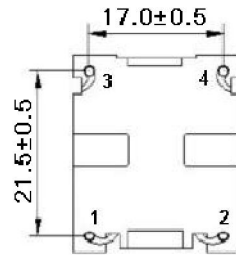
## SQ2418H SERIES



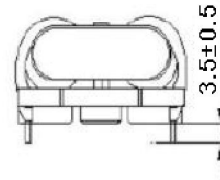
TOP VIEW



SIDE VIEW



BOTTOM VIEW



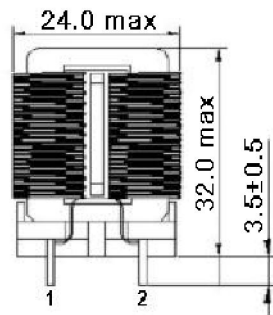
SIDE VIEW

## SQ2418 SERIES (V : VERTICAL / H : HORIZONTAL)

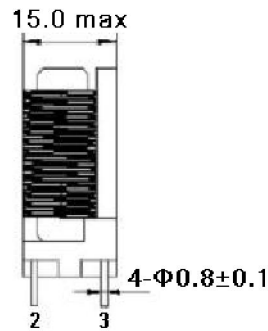
| Part Number    | Inductance (mH)<br>(@1KHz, 0.25Vrms) | DCR(mΩ) MAX. | Irms(A) MAX. |
|----------------|--------------------------------------|--------------|--------------|
| SQ2418V/H-3mH  | 3                                    | 25           | 5.5          |
| SQ2418V/H-5mH  | 5                                    | 40           | 3.5          |
| SQ2418V/H-10mH | 10                                   | 65           | 3            |
| SQ2418V/H-15mH | 15                                   | 90           | 2.5          |
| SQ2418V/H-20mH | 20                                   | 130          | 2            |
| SQ2418V/H-25mH | 25                                   | 130          | 2            |

1. Operating current : the actual value of DC current when the temperature rise is  $\Delta T40^{\circ}\text{C}$  ( $T_a=25^{\circ}\text{C}$ )
2. RoHS COMPLIANT

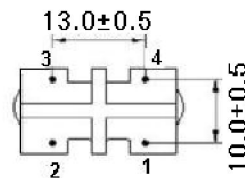
## SQ2418V SERIES



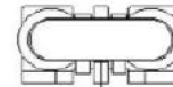
SIDE VIEW



SIDE VIEW



BOTTOM VIEW



TOP VIEW

|           |             |            |         |      |      |                                                                                       |        |               |              |
|-----------|-------------|------------|---------|------|------|---------------------------------------------------------------------------------------|--------|---------------|--------------|
|           |             |            |         |      |      |  |        | TITLE         |              |
|           |             |            |         |      |      |                                                                                       |        | EMC COMPONENT |              |
|           |             |            |         |      |      |                                                                                       |        | DWG. NO.      |              |
|           |             |            |         |      |      |                                                                                       |        | SQ2418 SERIES |              |
| A         | RELEASE     | 06/27/2024 | SHIRLEY | RuRu | RuRu | UNITS:                                                                                | SAFETY |               | SHEET 1 OF 1 |
| NO:       | DESCRIPTION | DATE       | BY      | CHK  | APPD | M/M                                                                                   |        |               |              |
|           |             |            |         |      |      | DATE                                                                                  | P/N:   | DRAW          |              |
| REVISIONS |             |            |         |      |      | 06/27/2024                                                                            |        | SHIRLEY       |              |

AOEM

UNITS:  
M/M

SAFETY

DATE  
06/27/2024

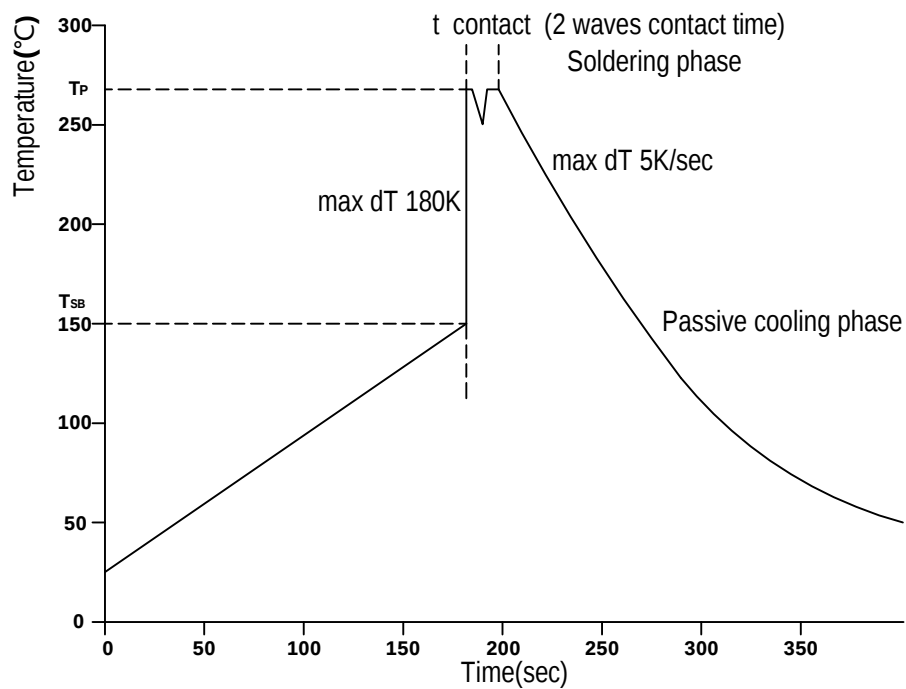
P/N:

SHEET 1 of 1

DRAW  
SHIRLEY



## Resistance to soldering heat (wave soldering)



Resistance to soldering heat (wave soldering) referring to the terminals

| Key                                                                                     | Par.                   | Profile feature                             | Pb free Process     |
|-----------------------------------------------------------------------------------------|------------------------|---------------------------------------------|---------------------|
| T.1                                                                                     | $T_{SB}$               | Final Preheat Temperature                   | 150°C               |
| T.2                                                                                     | t pre-heat             | Pre-heating time ( $T_{room}$ to $T_{SB}$ ) | 180sec              |
| T.3                                                                                     | $d_T/d_t \text{ up}$   | Ramp-Up Rate ( $T_{SB}$ to $T_P$ )          | 180°C/sec           |
| T.4                                                                                     | $T_P$                  | Peak Temperature $T_P$                      | 255°C ~ 265°C       |
| T.5                                                                                     | t contact              | Contact Time at Peak                        | 10sec (5sec x wave) |
| T.6                                                                                     | $d_T/d_t \text{ down}$ | Ramp-Down Rate                              | 5°C/sec             |
| Failure criteria concerning quality of the soldering termination acc. to the IPC-A-610D |                        |                                             |                     |