

# 0603 THICK FILM SURFACE MOUNT (.0625W)

## Features:

- Wraparound termination with nickel barrier

| Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 0.0           | SR1-0603-000     | 27            | SR1-0603-027     | 430           | SR1-0603-143     | 6.8K          | SR1-0603-268     | 110K          | SR1-0603-411     |
| 1.0           | SR1-0603-1D0     | 30            | SR1-0603-030     | 470           | SR1-0603-147     | 7.5K          | SR1-0603-275     | 120K          | SR1-0603-412     |
| 2.0           | SR1-0603-2D0     | 33            | SR1-0603-033     | 510           | SR1-0603-151     | 8.2K          | SR1-0603-282     | 130K          | SR1-0603-413     |
| 2.2           | SR1-0603-2D2     | 36            | SR1-0603-036     | 560           | SR1-0603-156     | 9.1K          | SR1-0603-291     | 150K          | SR1-0603-415     |
| 2.4           | SR1-0603-2D4     | 39            | SR1-0603-039     | 620           | SR1-0603-162     | 10K           | SR1-0603-310     | 160K          | SR1-0603-416     |
| 2.7           | SR1-0603-2D7     | 43            | SR1-0603-043     | 680           | SR1-0603-168     | 11K           | SR1-0603-311     | 180K          | SR1-0603-418     |
| 3.0           | SR1-0603-3D0     | 47            | SR1-0603-047     | 750           | SR1-0603-175     | 12K           | SR1-0603-312     | 200K          | SR1-0603-420     |
| 3.3           | SR1-0603-3D3     | 51            | SR1-0603-051     | 820           | SR1-0603-182     | 13K           | SR1-0603-313     | 220K          | SR1-0603-422     |
| 3.6           | SR1-0603-3D6     | 56            | SR1-0603-056     | 910           | SR1-0603-191     | 15K           | SR1-0603-315     | 240K          | SR1-0603-424     |
| 3.9           | SR1-0603-3D9     | 62            | SR1-0603-062     | 1K            | SR1-0603-210     | 16K           | SR1-0603-316     | 270K          | SR1-0603-427     |
| 4.3           | SR1-0603-4D3     | 68            | SR1-0603-068     | 1.1K          | SR1-0603-211     | 18K           | SR1-0603-318     | 300K          | SR1-0603-430     |
| 4.7           | SR1-0603-4D7     | 75            | SR1-0603-075     | 1.2K          | SR1-0603-212     | 20K           | SR1-0603-320     | 330K          | SR1-0603-433     |
| 5.1           | SR1-0603-5D1     | 82            | SR1-0603-082     | 1.3K          | SR1-0603-213     | 22K           | SR1-0603-322     | 360K          | SR1-0603-436     |
| 5.6           | SR1-0603-5D6     | 91            | SR1-0603-091     | 1.5K          | SR1-0603-215     | 24K           | SR1-0603-324     | 390K          | SR1-0603-439     |
| 6.2           | SR1-0603-6D2     | 100           | SR1-0603-110     | 1.6K          | SR1-0603-216     | 27K           | SR1-0603-327     | 430K          | SR1-0603-443     |
| 6.8           | SR1-0603-6D8     | 110           | SR1-0603-111     | 1.8K          | SR1-0603-218     | 30K           | SR1-0603-330     | 470K          | SR1-0603-447     |
| 7.5           | SR1-0603-7D5     | 120           | SR1-0603-112     | 2K            | SR1-0603-220     | 33K           | SR1-0603-333     | 510K          | SR1-0603-451     |
| 8.2           | SR1-0603-8D2     | 130           | SR1-0603-113     | 2.2K          | SR1-0603-222     | 36K           | SR1-0603-336     | 560K          | SR1-0603-456     |
| 9.1           | SR1-0603-9D1     | 150           | SR1-0603-115     | 2.4K          | SR1-0603-224     | 39K           | SR1-0603-339     | 620K          | SR1-0603-462     |
| 10            | SR1-0603-010     | 160           | SR1-0603-116     | 2.7K          | SR1-0603-227     | 43K           | SR1-0603-343     | 680K          | SR1-0603-468     |
| 11            | SR1-0603-011     | 180           | SR1-0603-118     | 3K            | SR1-0603-230     | 47K           | SR1-0603-347     | 750K          | SR1-0603-475     |
| 12            | SR1-0603-012     | 200           | SR1-0603-120     | 3.3K          | SR1-0603-233     | 51K           | SR1-0603-351     | 820K          | SR1-0603-482     |
| 13            | SR1-0603-013     | 220           | SR1-0603-122     | 3.6K          | SR1-0603-236     | 56K           | SR1-0603-356     | 910K          | SR1-0603-491     |
| 15            | SR1-0603-015     | 240           | SR1-0603-124     | 3.9K          | SR1-0603-239     | 62K           | SR1-0603-362     | 1M            | SR1-0603-510     |
| 16            | SR1-0603-016     | 270           | SR1-0603-127     | 4.3K          | SR1-0603-243     | 68K           | SR1-0603-368     | 10M           | SR1-0603-610     |
| 18            | SR1-0603-018     | 300           | SR1-0603-130     | 4.7K          | SR1-0603-247     | 75K           | SR1-0603-375     |               |                  |
| 20            | SR1-0603-020     | 330           | SR1-0603-133     | 5.1K          | SR1-0603-251     | 82K           | SR1-0603-382     |               |                  |
| 22            | SR1-0603-022     | 360           | SR1-0603-136     | 5.6K          | SR1-0603-256     | 91K           | SR1-0603-391     |               |                  |
| 24            | SR1-0603-024     | 390           | SR1-0603-139     | 6.2K          | SR1-0603-262     | 100K          | SR1-0603-410     |               |                  |

## SPECIFICATIONS

### Electrical Characteristics @ 70°C

| NTE Number                    | Resistance Range (Ohms) | Tolerance (%) | Voltage (Volts) | Operating temperature (T <sub>opr</sub> ) | Temperature Coefficient (PPM/°C) |
|-------------------------------|-------------------------|---------------|-----------------|-------------------------------------------|----------------------------------|
| SR1-0603-000thru SR1-0603-610 | 0.0 to 10M              | 5             | 50              | -55° to +155°C                            | 200                              |

### Mechanical\* (Typical, inches/mm)

| NTE Number                    | Body Length (L) | Body Width (W) | Thickness (H) | Terminal Width (tw) |
|-------------------------------|-----------------|----------------|---------------|---------------------|
| SR1-0603-000thru SR1-0603-610 | 0.061 (1.55)    | 0.031 (0.80)   | 0.016 (0.40)  | 0.010 (0.25)        |

