

# MIANYANG PROCHEMA COMMERCIAL CO.,LIMITED

## METAL MESH FILM


Model: MT-150

### INTRODUCTION

Our company is in a leading position in the innovation and development of display & window EMI/RFI shielding solutions. With the design update of display size and definition, the new generation of nano mesh film has higher transparency and stronger shielding effect. Adopting the innovative principle of nano-alloy wire conductive printing process, the introduction of etching grid technology, and the optimized display mode, making our metal mesh film to be the first choice for window and touch screen shielding.

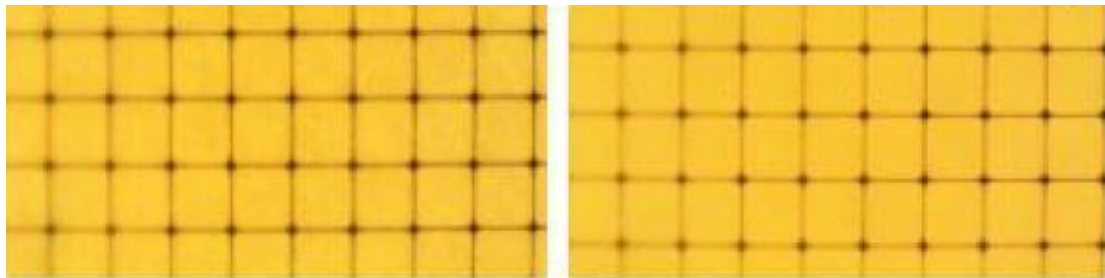
### SPECIFICATION

The line spacing of 143um (150 OPI) is the best spacing for electronic displays. *The metal surface is blackened, no need to adjust the angle, to avoid moire fringes, it is an anti-glare shielding film.*

|                   |  |
|-------------------|--|
| Model             | MT150  |
| Line Spacing/Mesh | 143um/150opi   |
| Line Width        | 17um/0.0003"   |
| Transmittance     | 76%  |
| Appearance        |  |

### OPTICAL PERFORMANCE

In addition to increasing transparency, blackening reduces diffuse reflection, even in the sun, the display is readable



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|                           |        |
|---------------------------|--------|
| Transmittance             | ≥76%   |
| Diffuse Reflection@45°    | ≤0.14% |
| Specular Reflectivity@45° | ≤1.2%  |

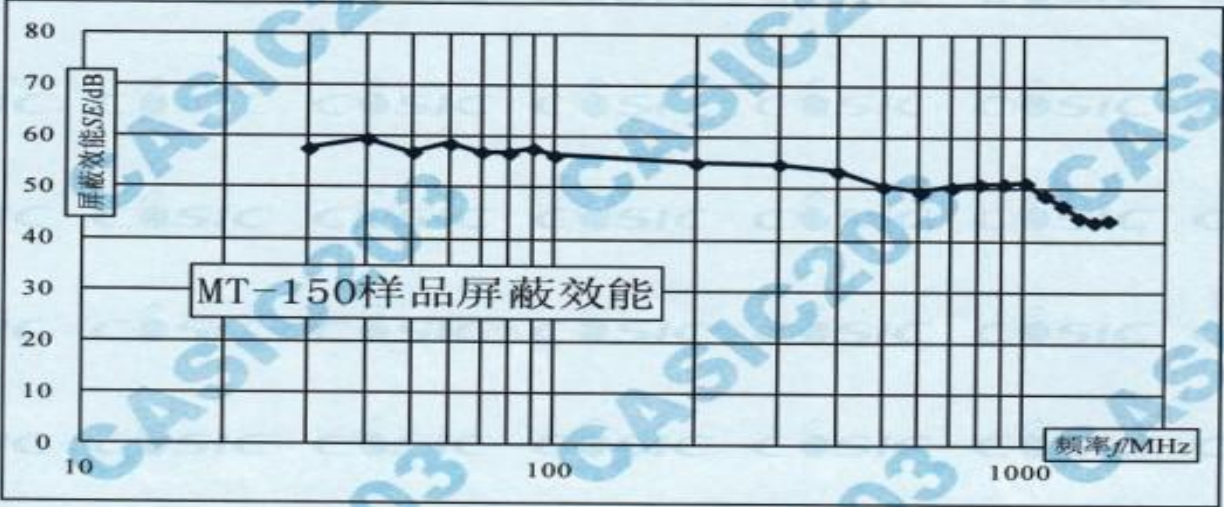
### ELECTRICAL PERFORMANCE

|                 |             |
|-----------------|-------------|
| Resistance      | ≤0.09ohm/sq |
| Standard Angle  | 45°+/-1°    |
| Total Thickness | 125um       |
| OCA Thickness   | 25um        |

EMI shielding effect attenuation diagram

| 频率<br>MHz | 屏蔽效能<br>dB | 频率<br>MHz | 屏蔽效能<br>dB |
|-----------|------------|-----------|------------|
| 30        | 57.7       | 500       | 50.6       |
| 40        | 59.6       | 600       | 49.5       |
| 50        | 57.0       | 700       | 50.5       |
| 60        | 58.7       | 800       | 51.1       |
| 70        | 57.1       | 900       | 51.2       |
| 80        | 56.9       | 1000      | 51.5       |
| 90        | 57.8       | 1100      | 49.0       |
| 100       | 56.4       | 1200      | 47.0       |
| 200       | 55.1       | 1300      | 44.7       |
| 300       | 54.9       | 1400      | 43.9       |
| 400       | 53.5       | 1500      | 44.2       |

Results of Testing



**STRUCTURE:** OCA/PET Substrate/Blackened conductive alloy wire

