PRODUCT INFORMATION SHEET

POLYESTER CAMERA FILTERS

Specifically designed for use on Camera Lenses and Photographic Lighting

No.87 Infra-Red Filter

Physical Information

Type: Camera filter
Material: Surface coated polyester (PET Film) with a base thickness is 0.1mm
Maximum Recommended Working Temperature: 180^{o}C

Spectral Information

Function: Absorbs visible light, but transmits infrared.
Spectral Data: Transmission begins above 730nm. See attached graph.

Environmental Tests

UV Fading- Tested for 224 hours in simulated daylight (ultraviolet), with no detected change in its spectral characteristics.

Hot Lamp- Placed on a 1000W Par64 lamp for 8 hours. During this time its operating temperature was measured at 200^{o} C (a Minolta/ Land Cyclops 3 infrared thermometer used.) Some blackening of the filter did occur, and this lead to an increase in absorption between 713 and 900nm.

Sub Zero Temperatures- The No 87 has not been tested at these temperatures, however our lighting filter range (surface coated polyester) has been. The results show that when tested down to -20^{o} C there was little physical deterioration of the polyester or coating.

Sizes Available

75mm * 75mm squares
100mm *100mm squares
150mm *150mm squares
Large sizes available on request.

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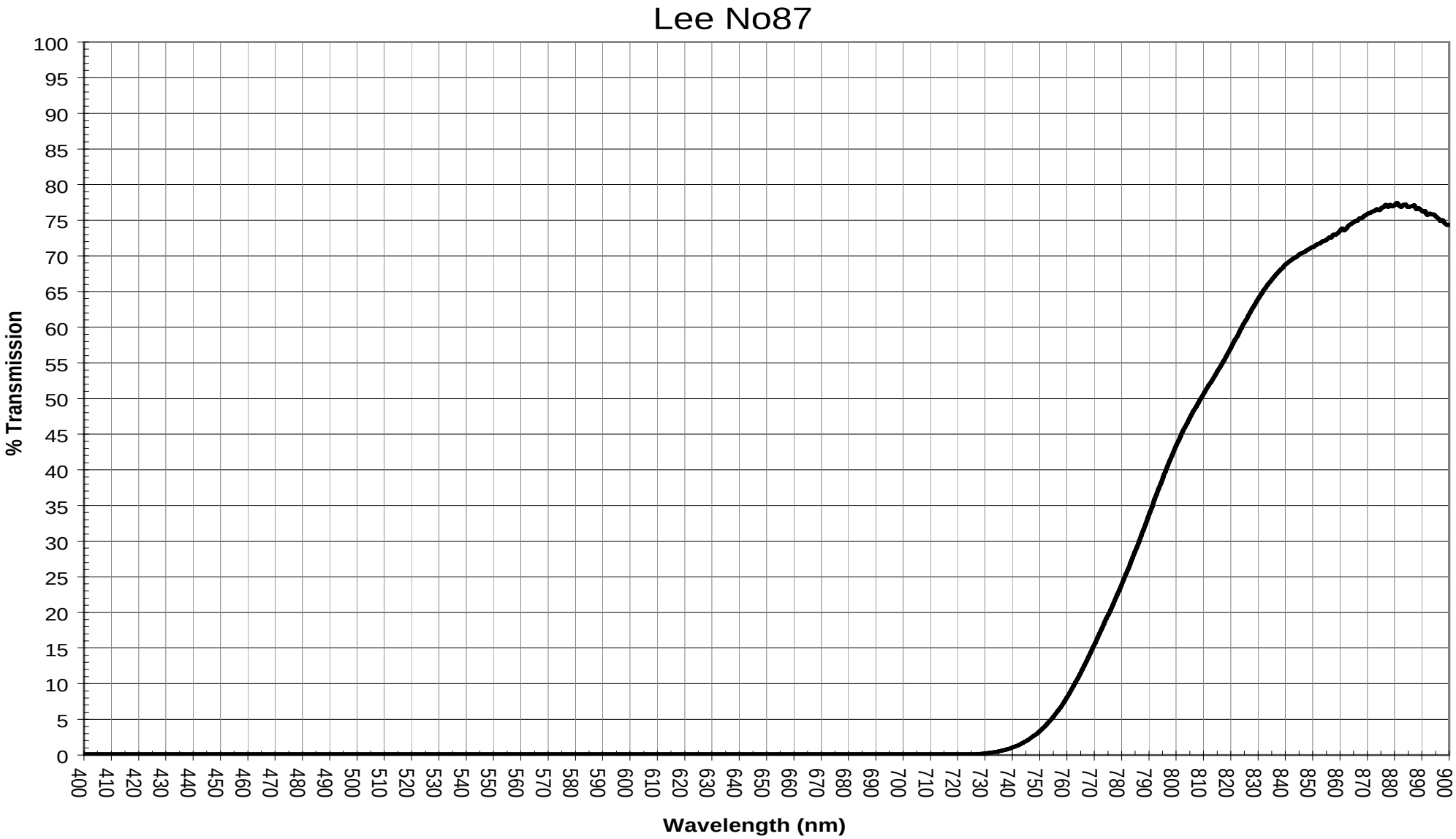
Lee No87
% Transmission
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900
Wavelength (nm)