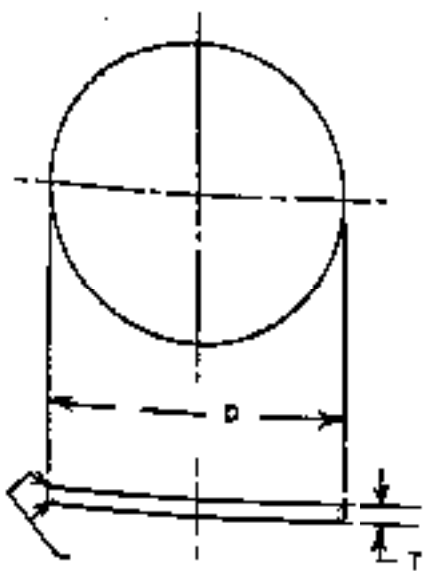


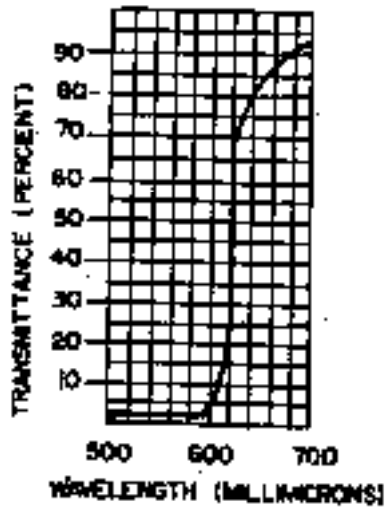
Figure 1. -Outline dimensions.



Unless otherwise specified, edges shall have a slight chamfer or radius.

Figure 2.

CURVE OF LIGHT TRANSMISSION OF RED MATERIAL



APPROVED 9 MAR 1951 REVISED (A) 18 AUG 1955

This standard has been approved by the Bureau of Ships Department of the Navy and is mandatory for use by the activity. All other military activities are required to comply with standard unless contrary.

Ⓐ Entire standard revised.

P.A. SH Other Cust	WIND, LIGHTING	MILITARY STANDARD
	FIXTURE, INCANDESCENT, PLASTIC, DISC SHAPED	MS1715a (SHIPS)
Prescribed by Service NONE	Supplies	SHEET 1 OF 3

This standard has been approved by the Bureau of Ships Department of the Navy and is mandatory for use by all activity. All drawings, specifications and reports to activity are checked when available.

NS PART NUMBER	MATERIAL	DIMENSIONS		COLOR	FINISH	LIGHT TRANSMISSION PERCENT	WAVE LENGTHS MILLIMICRONS	USED WITH
		D. (DIAMETER) INCHES	THICKNESS INCHES					
MS17153-1	PLASTIC, sheet, 307110, heat resistant, utility grade, in accordance with MIL-P-71106	0.576	0.031	Clear	—	90	390 to 700	Drawing 8000-22908-73807
MS17153-2		0.603	0.029	Red	—	90	390 to 700	MS17161
MS17153-3		0.576	0.126	Clear	—	90	—	—
MS17153-4		0.675	0.126	Clear	—	90	—	—
MS17153-5		0.876	0.125	Green	—	90	478 to 660	Drawings 8000-22908-73819 through 8000-20232-73822 are applicable.
MS17153-6		0.876	0.125	Blue	—	90	435 to 476	—
MS17153-7		0.876	0.125	Black	—	90	566 to 700	—
MS17153-8		0.875	0.125	Yellow	—	90	508 to 600	—
MS17153-9		0.876	0.125	Red	—	90	547 to 700	—
MS17153-10		2.028	0.126	Red	—	90	567 to 700	MS17153
MS17153-11		3.026	0.126	Clear	—	90	—	2/ Drawing 8000-20900-74448
MS17153-12		4.312	0.125	Clear	—	90	—	2/ Drawing 8-8-6258-L
MS17153-13		4.812	0.100	Red	—	90	300 to 700	2/ Drawing 8-8-6258-L
MS17153-14		13.126	0.126	Clear	300 Polyurethane	—	—	Specification MIL-L-8054

1/ NS Part Numbers 17153-1, -2, -3, -10, -11, -12, -13 have been canceled. Items not developed.
 2/ Standard commercial plastic tolerances shall apply.
 3/ To be used for replacement only. Inactive for new design.

APPROVED BY SUP 1871 REVISED BY DATE STANDARD REVISED.

P.A. SH C/S	TITLE WINDOW, LIGHTING FIXTURE, INCANDESCENT, PLASTIC, DISC SHAPED	MILITARY STANDARD
PROCUREMENT SPECIFICATION NONE	SUPERMODEL	MS 17153(SHIPS)
		SHEET 2

REQUIREMENTS:

1. Plastic windows shall be free of defects such as imbedded particles, bubbles, scratches, blemishes and striations such as will affect their optical properties and shall provide an even distribution of transmitted light over their entire area.
2. Applicable only to part number MS17153-21:
 - (a) Adequate measures shall be taken in molding or processing plastics to insure that stress buildup does not occur or is satisfactorily treated to relieve these stresses to prevent deterioration or failure of the part or assembly.

NOTES:

1. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
2. Referenced documents shall be of the issue in effect on date of invitations for bid.

Project 6210-N254SH

This standard has been approved by the Bureau of Ships, Department of the Navy, and is mandatory for use by the activity. All other military activities are required to employ this standard where applicable.

P.A. SH	TITLE WINDOW, LIGHTING	MILITARY STANDARD
Other Cust	FIXTURE, INCANDESCENT, PLASTIC, DISC SHAPED	MS 17153(SHIPS)
Procurement Specification NONE	SUPERSEDES:	SHEET 3

APPROVED 9 MAR 1961 REVISED (A) Entire standard revised.