



ADVANCED INTEGRATED MATERIALS

A DIVISION OF THE REEL SERVICE GROUP

7-INCH DIAMETER REELS™

PRODUCT DESCRIPTION

The 7 Inch Diameter reels manufactured by Advanced Integrated Materials provide the latest addition to our full range of take up reels, carrier and cover tape supplies.

These high impact polystyrene reels are designed for maximum strength to ensure complete component protection and lead integrity. Our unique 4-window design provides 3 windows on one side for easy visual reference whilst providing only one window on the other allowing adequate labelling space. We offer full ESD protection with our conductive reels in addition to our standard static dissipative reels. Both are available in a range of tape widths from 8mm – 24mm.

Our 7 Inch reels are supplied as complete reels. Our unique one-piece molding process eliminates adhesion problems inherent with bonded reels designs.

BASE MATERIAL

Conductive: High Impact Polystyrene (HIP) with Integrated Carbon Additive

Static Dissipative: High Impact Polystyrene (HIP) with Integrated Antistatic Additive

SURFACE RESISTIVITY

Conductive Reels: Conductive with a maximum surface resistivity of 1×10^5 ohms per square.

Static Dissipative Reels: Static dissipative with surface resistivity of less than 1×10^{12} ohms per square.

COLOUR AND WINDOWS

Static dissipative 7-inch reels are available in white and offer a 4-window design (3 windows on one side, 1 window on the other) providing easy visual reference whilst maintaining ample labelling space and reel strength. The conductive 7-inch REELS utilise this same window design and are available in black.

RECYCLABLE DESIGN

Our polystyrene base material allows users an environmentally friendly, recyclable reel.



REEL DIAMETER

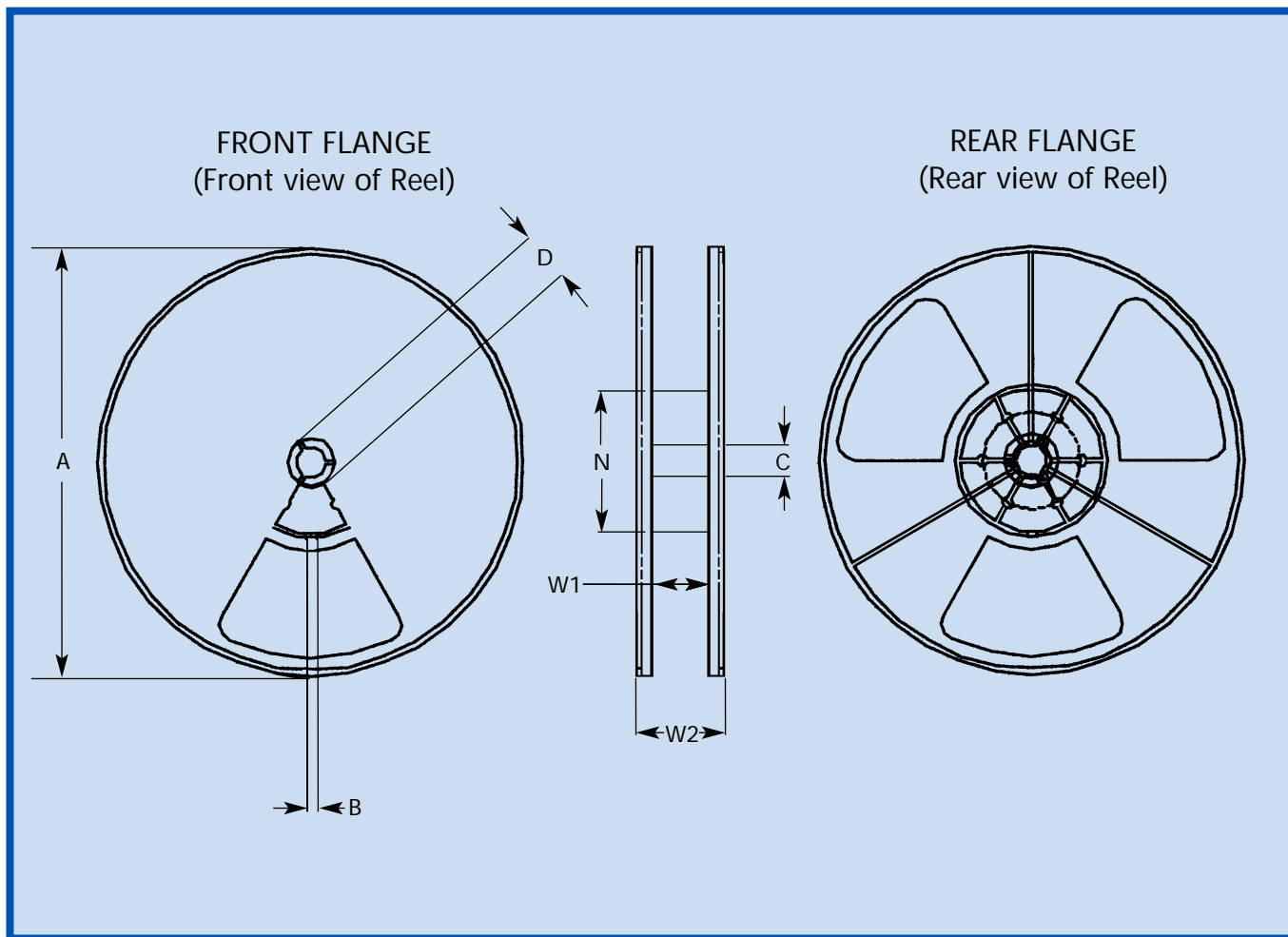
The one-piece injection molded reels manufactured by AIM are available with a 7-inch (180mm) reel diameter. Contact our customer service departments for our complete range of 7-inch, 13-inch and 15-inch reel sizes.

HUB DIAMETER AND WIDTH

The hub diameter is 2.36 inches (60 mm) available in widths of 8mm, 12mm, 16mm and 24mm, making these reels ideal for maximum utilization of reel space for small sized components or small volume requirements.

SHELF LIFE AND STORAGE CONDITIONS

With a shelf life of two years, recommended storage conditions for 7 inch reels are: storage indoors away from direct sunlight within a temperature range of 18°C to 35°C (64°F to 95°F) and relative humidity levels of 35% – 65%.



DIMENSIONS FOR CONDUCTIVE AND ANTI-STATIC 7-INCH MOLDED REELS (60MM DIAMETER HUBS)							
Tape Width	A Diameter	B (min)	(All dimensions in mm)			W1	W2 (max)
			C	D (min)	N Hub		
8	180 +/- 0.5	1.5	13 +/- 0.2	20.2	60 +0.1 -0.0	8.4 +1.5 -0.0	14.4
12	180 +/- 0.5	1.5	13 +/- 0.2	20.2	60 +0.1 -0.0	12.4 +1.5 -0.0	18.4
16	180 +/- 0.5	1.5	13 +/- 0.2	20.2	60 +0.1 -0.0	16.4 +2.0 -0.0	22.4
24	180 +/- 0.5	1.5	13 +/- 0.2	20.2	60 +0.1 -0.0	24.4 +2.0 -0.0	30.4

ALL OTHER DIMENSIONS AND TOLERANCES ARE FULLY COMPLIANT WITH EIA-481-B.

QUANTITY PER BOX	
Hub Width	Reels per Box
8mm	140
12mm	100
16mm	84
24mm	60

7 INCH Reel PART NUMBERING REFERENCE GUIDE				
ALL REELS ARE PROVIDED AS ONE PIECE COMPLETE REELS.				
Flange Part No.	Hub Width Millimetres	Hub Diameter Inches	Flange Diameter Inches	Colour
Black Conductive				
RA08x2x07CB	8	2.36 (60mm)	7 (180mm)	Black
RA12x2x07CB	12	2.36 (60mm)	7 (180mm)	Black
RA16x2x07CB	16	2.36 (60mm)	7 (180mm)	Black
RA24x2x07CB	24	2.36 (60mm)	7 (180mm)	Black
White Static Dissipative				
RA08x2x07DW	8	2.36 (60mm)	7 (180mm)	White
RA12x2x07DW	12	2.36 (60mm)	7 (180mm)	White
RA16x2x07DW	16	2.36 (60mm)	7 (180mm)	White
RA24x2x07DW	24	2.36 (60mm)	7 (180mm)	White

WARRANTY STATEMENT

All products come with a one year limited warranty.

CUSTOMER SERVICE

Our global customer service and technical support teams can assist in all aspects of specifying and sourcing your entire in-house taping requirements. Our extensive open tooling database is utilised to search for available exact fit carrier tapes. Advanced Integrated Materials design carrier tapes for all standard and non-standard components and can assist in cover tape and KLIK REEL™ recommendations. Materials required for in-house tape & reel and finished goods operations are also supplied. Please contact our local customer service departments at the relative location nearest you. Complete contact details are available from our website contact page.

OTHER PRODUCTS AND SERVICES AVAILABLE

In addition to our KLIK REELS™, we offer a complete range of all materials necessary for tape and reel operations including: carrier tapes, cover tapes, humidity indicator cards, moisture barrier bags, desiccant and other sundry semiconductor finishing materials. Also available from our parent company Reel Service is full subcontract tape and reel, inspection and programming capabilities. Please contact our customer service team for further information on our complete range of tape and reel products and services.



Global packaging, local to you



A member of ASTI

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www.reelservice.com

Datasheet 7-inch reel Rev C.