Polyimide Materials

Polyimide labels are widely used for permanently marking electronics that experience extreme temperature exposures during the manufacturing process. Brady polyimide materials have been designed to survive solder reflow, harsh aqueous chemical cleaning and device testing by leveraging the enhanced stiffness, chemical resistance, large intrinsic dielectric strength and extremely high heat tolerance of high performance polyimide films. These labels are naturally flame retardant and are offered with matte or gloss topcoats and in low-profile and static-dissipative configurations.

Printer Compatibility

The following pages contain 3” core label rolls that are designed for use in these printers unless otherwise noted.

NEW BradyPrinter i5100 and legacy IP™ Printer

NEW BradyPrinter i7100 and legacy PR PLUS printer

How to Read a THT Catalog Number

Many Brady label parts follow a naming convention that includes specific information about the label. The following example shows how it can be broken down:

THT – 59 – 717 – 10

Technology:	Die Size:	Material:	Quantity:
Thermal Transfer	#5 die 1” x 0.5”	B-717 Polyimide	Multiply by 1,000 10 x 1,000 = 10,000

Material	Print Technology	Color	Finish	Adhesive	Thickness	UL	CSA	RoHS	Applications
B-717	Thermal Transfer	White	Gloss	Permanent	4.2 mils	X		X	PCB identification; high temperature material with electrostatic dissipative (ESD) adhesive and liner.
B-718	Thermal Transfer	White	Gloss	Permanent	3.3 mils	X		X	PCB identification; high temperature material with electrostatic dissipative (ESD) adhesive and liner; reduced profile for processes that demand thin or lighter weight material; high temperature wire marking applications.
B-719	Thermal Transfer	White	Matte	Permanent	3.3 mils	X		X	PCB identification; matte topcoat designed to prevent solder ball sticking after molten wave soldering. Reduced profile for processes that demand thin or lighter weight material; high temperature wire marking applications.
B-724	Thermal Transfer	Amber	Matte	Permanent	4.4mils			X	Printed circuit board and electronic component preprocess labeling.
B-727	Thermal Transfer	White	Gloss	Permanent	4.4 mils	X		X	PCB identification; withstands wavesolder process.
B-728	Thermal Transfer	White	Matte	Permanent	4.4 mils	X		X	PCB identification; matte topcoat designed to prevent solder ball sticking after molten wave soldering.
B-729	Thermal Transfer	White	Matte	Permanent	3.4 mils	X		X	PCB identification; matte topcoat designed to prevent solder ball sticking after molten wave soldering. Reduced profile for processes that demand thin or lighter weight material; high temperature wire marking applications.
B-776	Thermal Transfer	Light Green	Gloss	Permanent	4.4 mils	X		X	Printed circuit board and electronic component preprocess labeling.

B-717 Electrostatic Dissipative Polyimide Material

Color: White **Finish: Gloss**

High temperature white polyimide material (2 mil) with glossy finish. Features a permanent static dissipative adhesive and a static dissipative release liner. Withstands wave solder environments for printed circuit board and electronic component preprocess labeling. Surface resistivity values in the recommended range for dissipative ESD packaging materials. Also meets requirements of EIA-541 “Packaging Material Standards for ESD Sensitive Items.”

Performance Attributes:

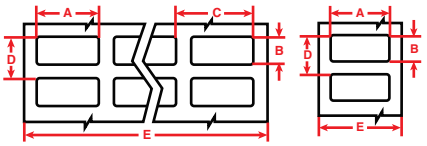

Figure 1 *Figure 2*

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1	* THT-70-717-20	Polyimide	White	0.250 (6.4)	0.250 (6.4)	0.320 (8.1)	0.350 (8.9)	2.370 (60.2)	7	20,000	R6000
Fig. 1	* THT-38-717-10	Polyimide	White	0.375 (9.5)	0.375 (9.5)	0.437 (11.1)	0.475 (12.1)	3.200 (81.3)	7	10,000	R6002
Fig. 1	* THT-12-717-10	Polyimide	White	0.500 (12.7)	0.437 (11.1)	0.662 (16.8)	0.537 (13.6)	3.350 (85.1)	5	10,000	R6007
Fig. 1	* THT-96-717-10	Polyimide	White	0.500 (12.7)	0.275 (7.0)	0.600 (15.2)	0.375 (9.5)	2.500 (63.5)	4	10,000	R6002
Fig. 2	* THT-97-717-10	Polyimide	White	0.500 (12.7)	0.200 (5.1)	-	0.300 (7.6)	0.700 (17.8)	1	10,000	R6011
Fig. 2	* THT-99-717-10	Polyimide	White	0.500 (12.7)	0.500 (12.7)	-	0.600 (15.2)	0.700 (17.8)	1	10,000	R6011
Fig. 1	* THT-14-717-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002
Fig. 2	* THT-47-717-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 1	* THT-1-717-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R6007
Fig. 2	* THT-46-717-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006
Fig. 2	* THT-103-717-10	Polyimide	White	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006
Fig. 2	* THT-42-717-10	Polyimide	White	1.000 (25.4)	0.187 (4.8)	-	0.287 (6.9)	1.200 (30.5)	1	10,000	R6006
Fig. 2	* THT-59-717-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006
Fig. 2	* THT-43-717-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006
Fig. 2	* THT-44-717-10	Polyimide	White	1.375 (34.9)	0.250 (6.4)	-	0.350 (8.9)	1.600 (40.6)	1	10,000	R6000
Fig. 2	* THT-45-717-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000
Fig. 2	* THT-60-717-10	Polyimide	White	1.500 (38.1)	0.125 (3.2)	-	0.225 (5.7)	1.700 (43.2)	1	10,000	R6000
Fig. 2	* THT-15-717-2.5	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.375 (9.5)	2.200 (55.9)	1	2,500	R6000
Fig. 2	* THT-48-717-10	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R6000

* ⚠ **WARNING:** Cancer www.P65Warnings.ca.gov

Did You Know?

Brady teamed up with ZESTRON, Kyzen and market leaders in high precision cleaning process solutions, to conduct extensive chemical compatibility testing on the Brady line of polyimide labels, which are commonly used as printed circuit board (PCB) identification labels.

According to the test results, all Brady polyimide labels submitted can successfully withstand ZESTRON and Kyzen’s latest cleaning chemicals – these test results are critically important to circuit board manufacturers, as they ensure that Brady polyimide labels will stay adhered and legible throughout the whole circuit board production process including in-line aqueous cleaning systems.

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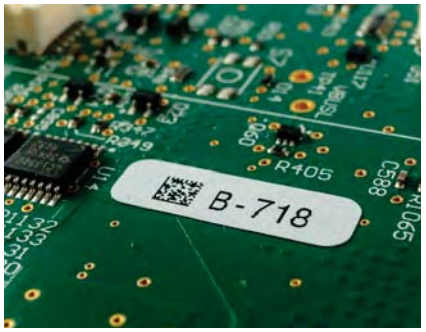
B-718 Electrostatic Dissipative Polyimide Material

Color: White **Finish: Gloss**

High temperature, low profile white polyimide material (1 mil) with glossy finish. Features a permanent static dissipative adhesive and a static dissipative release liner. Reduced profile and thin, lighter weight label material ideal for high temperature wire marking. Surface resistivity values in the recommended range for dissipative ESD packaging materials. Also meets requirements of EIA-541 “Packaging Material Standards for ESD Sensitive Items.”



Performance Attributes:

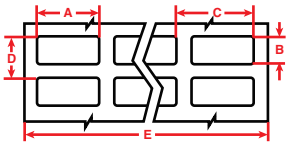


Figure 1

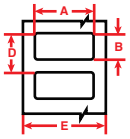


Figure 2

Diagram		Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1	*	THT-70-718-20	Polyimide	White	0.250 (6.4)	0.250 (6.4)	0.320 (8.1)	0.350 (8.9)	2.370 (60.2)	7	20,000	R6000
Fig. 1	*	THT-71-718-20	Polyimide	White	0.315 (8.0)	0.315 (8.0)	0.375 (9.5)	0.415 (10.5)	2.390 (60.7)	6	20,000	R6000
Fig. 1	*	THT-38-718-10	Polyimide	White	0.375 (9.5)	0.375 (9.5)	0.437 (11.1)	0.475 (12.1)	3.200 (81.3)	7	10,000	R6002
Fig. 1	*	THT-12-718-10	Polyimide	White	0.500 (12.7)	0.437 (11.1)	0.662 (16.8)	0.537 (13.6)	3.350 (85.1)	5	10,000	R6007
Fig. 2	*	THT-97-718-10	Polyimide	White	0.500 (12.7)	0.200 (5.1)	-	0.300 (7.6)	0.700 (17.8)	1	10,000	R6011
Fig. 1	*	THT-14-718-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002
Fig. 2	*	THT-47-718-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 1	*	THT-1-718-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R6007
Fig. 2	*	THT-46-718-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006
Fig. 1	*	THT-2-718-10	Polyimide	White	0.900 (22.9)	0.250 (6.4)	1.125 (28.6)	0.350 (8.9)	3.350 (85.1)	3	10,000	R6007
Fig. 2	*	THT-49-718-10	Polyimide	White	0.900 (22.9)	0.250 (6.4)	-	0.350 (8.9)	1.100 (27.9)	1	10,000	R6006
Fig. 2	*	THT-103-718-10	Polyimide	White	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006
Fig. 1	*	THT-3-718-10	Polyimide	White	1.000 (25.4)	0.375 (9.5)	1.075 (27.3)	0.475 (12.1)	3.350 (85.1)	3	10,000	R6007
Fig. 2	*	THT-42-718-10	Polyimide	White	1.000 (25.4)	0.187 (4.8)	-	0.287 (6.9)	1.200 (30.5)	1	10,000	R6006
Fig. 1	*	THT-5-718-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	10,000	R6007
Fig. 2	*	THT-58-718-10	Polyimide	White	1.000 (25.4)	0.375 (9.5)	-	0.475 (12.1)	1.200 (30.5)	1	10,000	R6006
Fig. 2	*	THT-59-718-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006
Fig. 1	*	THT-29-718-10	Polyimide	White	1.250 (31.8)	0.375 (9.5)	1.300 (33.0)	0.475 (12.1)	2.750 (69.9)	2	10,000	R6002
Fig. 2	*	THT-43-718-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006
Fig. 2	*	THT-44-718-10	Polyimide	White	1.375 (34.9)	0.250 (6.4)	-	0.350 (8.9)	1.600 (40.6)	1	10,000	R6000
Fig. 1	*	THT-4-718-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	1.650 (41.9)	0.350 (8.9)	3.350 (85.1)	2	10,000	R6007
Fig. 2	*	THT-45-718-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000
Fig. 2	*	THT-72-718-10	Polyimide	White	1.750 (44.5)	0.250 (6.4)	-	0.350 (8.9)	1.950 (49.5)	1	10,000	R6000
Fig. 2	*	THT-48-718-10	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R6000

* ⚠ **WARNING:** Cancer www.P65Warnings.ca.gov

Electrostatic Dissipative (ESD) Labels

Brady electrostatic dissipative labels, or ESD labels, meet the requirements of ANSI/ESD S20.20 standard. ESD labels are designed to protect the static-sensitive components of your circuit boards. When labels are peeled off of their unique ESD liner, they produce only a low static discharge voltage.

Available in a variety of types and sizes, Brady ESD labels can help you reduce damages from static discharge and keep your product cost down.

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B-719 Electrostatic Dissipative Polyimide Material

Color: White **Finish: Matte**

High temperature, low profile white polyimide material (1 mil) with a permanent static dissipative adhesive and static dissipative release liner. Similar to B-718, but with a matte topcoat, which prevents solder balls from sticking after molten wave solder exposure. Surface resistivity values in the recommended range for dissipative ESD packaging materials. Also meets requirements of EIA-541 “Packaging Material Standards for ESD Sensitive Items.”

Performance Attributes:

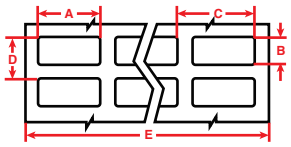

Figure 1

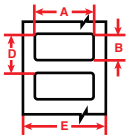

Figure 2

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1	* THT-70-719-20	Polyimide	White	0.250 (6.4)	0.250 (6.4)	0.320 (8.1)	0.350 (8.9)	2.370 (60.2)	7	20,000	R6000
Fig. 1	* THT-71-719-20	Polyimide	White	0.315 (8.0)	0.315 (8.0)	0.375 (9.5)	0.415 (10.5)	2.390 (60.7)	6	20,000	R6000
Fig. 1	* THT-38-719-10	Polyimide	White	0.375 (9.5)	0.375 (9.5)	0.437 (11.1)	0.475 (12.1)	3.200 (81.3)	7	10,000	R6002, R4702
Fig. 1	* THT-12-719-10	Polyimide	White	0.500 (12.7)	0.437 (11.1)	0.662 (16.8)	0.537 (13.6)	3.350 (85.1)	5	10,000	R6007, R4707
Fig. 2	* THT-99-719-10	Polyimide	White	0.500 (12.7)	0.500 (12.7)	-	0.600 (15.2)	0.700 (17.8)	1	10,000	R6011
Fig. 1	* THT-14-719-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002, R4702
Fig. 2	* THT-47-719-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 1	* THT-1-719-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R6007, R4707
Fig. 2	* THT-46-719-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006, R4706
Fig. 1	* THT-2-719-10	Polyimide	White	0.900 (22.9)	0.250 (6.4)	1.125 (28.6)	0.350 (8.9)	3.350 (85.1)	3	10,000	R6007, R4707
Fig. 2	* THT-49-719-10	Polyimide	White	0.900 (22.9)	0.250 (6.4)	-	0.350 (8.9)	1.100 (27.9)	1	10,000	R6006, R4706
Fig. 2	* THT-103-719-10	Polyimide	White	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 1	* THT-3-719-10	Polyimide	White	1.000 (25.4)	0.375 (9.5)	1.075 (27.3)	0.475 (12.1)	3.350 (85.1)	3	10,000	R6007, R4707
Fig. 2	* THT-42-719-10	Polyimide	White	1.000 (25.4)	0.187 (4.8)	-	0.287 (6.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 1	* THT-5-719-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	10,000	R6007, R4707
Fig. 2	* THT-58-719-10	Polyimide	White	1.000 (25.4)	0.375 (9.5)	-	0.475 (12.1)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	* THT-59-719-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 1	* THT-29-719-10	Polyimide	White	1.250 (31.8)	0.375 (9.5)	1.300 (33.0)	0.475 (12.1)	2.750 (69.9)	2	10,000	R6002, R4702
Fig. 2	* THT-43-719-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006, R4706
Fig. 2	* THT-45-719-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000
Fig. 2	* THT-60-719-10	Polyimide	White	1.500 (38.1)	0.125 (3.2)	-	0.225 (5.7)	1.700 (43.2)	1	10,000	R6000
Fig. 2	* THT-48-719-10	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R6000

* ⚠ **WARNING:** Cancer www.P65Warnings.ca.gov

marking has very good environmental, abrasion, and chemical

White, yellow and black tubing tested

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B-724 Ultra Durable Polyimide Material

Color: Amber **Finish: Matte**

Amber high temperature polyimide material with an ultra durable adhesive designed for use with extreme wash protocol and cleaning chemicals. When used with Brady R4300 series ribbons, fulfills requirements for MIL-STD-202G Method 215K and SAE AS81531 Marking of Electrical Insulating Material.

Performance Attributes:

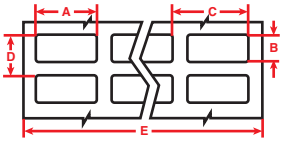


Figure 1

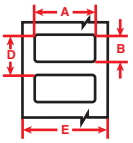


Figure 2

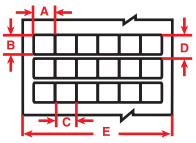


Figure 4

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 4	THT-11-724-10	Polyimide	Amber	0.250 (6.4)	0.250 (6.4)	0.250 (6.4)	0.375 (9.5)	3.200 (81.3)	12	10,000	R4300
Fig. 1	THT-38-724-10	Polyimide	Amber	0.375 (9.5)	0.375 (9.5)	0.437 (11.1)	0.475 (12.1)	3.200 (81.3)	7	10,000	R4300
Fig. 1	THT-12-724-10	Polyimide	Amber	0.500 (12.7)	0.437 (11.1)	0.662 (16.8)	0.537 (13.6)	3.350 (85.1)	5	10,000	R4307, R4707
Fig. 1	THT-14-724-10	Polyimide	Amber	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R4300
Fig. 2	THT-47-724-10	Polyimide	Amber	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R4311
Fig. 1	THT-57-724-10	Polyimide	Amber	0.700 (17.8)	0.375 (9.5)	0.800 (20.3)	0.475 (12.1)	3.350 (85.1)	4	10,000	R4307, R4707
Fig. 1	THT-1-724-10	Polyimide	Amber	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R4307, R4707
Fig. 2	THT-46-724-10	Polyimide	Amber	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R4311
Fig. 1	THT-50-724-10	Polyimide	Amber	0.750 (19.1)	0.750 (19.1)	0.800 (20.3)	0.875 (22.2)	3.350 (85.1)	4	10,000	R4307, R4707
Fig. 1	THT-2-724-10	Polyimide	Amber	0.900 (22.9)	0.250 (6.4)	1.125 (28.6)	0.350 (8.9)	3.350 (85.1)	3	10,000	R4307, R4707
Fig. 2	THT-49-724-10	Polyimide	Amber	0.900 (22.9)	0.250 (6.4)	-	0.350 (8.9)	1.100 (27.9)	1	10,000	R4306, R4706
Fig. 2	THT-103-724-10	Polyimide	Amber	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R4306, R4706
Fig. 1	THT-3-724-10	Polyimide	Amber	1.000 (25.4)	0.375 (9.5)	1.075 (27.3)	0.475 (12.1)	3.350 (85.1)	3	10,000	R4307, R4707
Fig. 1	THT-41-724-10	Polyimide	Amber	1.000 (25.4)	0.187 (4.8)	1.075 (27.3)	0.287 (7.3)	3.350 (85.1)	3	10,000	R4307, R4707
Fig. 1	THT-51-724-10	Polyimide	Amber	1.000 (25.4)	0.250 (6.4)	1.075 (27.3)	0.375 (9.5)	3.350 (85.1)	3	10,000	R4307, R4707
Fig. 1	THT-5-724-10	Polyimide	Amber	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	10,000	R4307, R4707
Fig. 1	THT-13-724-10	Polyimide	Amber	1.250 (31.8)	0.250 (6.4)	1.300 (33.0)	0.375 (9.5)	2.750 (69.9)	2	10,000	R4300
Fig. 1	THT-29-724-10	Polyimide	Amber	1.250 (31.8)	0.375 (9.5)	1.300 (33.0)	0.475 (12.1)	2.750 (69.9)	2	10,000	R4300
Fig. 2	THT-43-724-10	Polyimide	Amber	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R4306, R4706
Fig. 2	THT-44-724-10	Polyimide	Amber	1.375 (34.9)	0.250 (6.4)	-	0.350 (8.9)	1.600 (40.6)	1	10,000	R4302
Fig. 1	THT-28-724-10	Polyimide	Amber	1.500 (38.1)	0.125 (3.2)	1.650 (41.9)	0.250 (6.4)	3.350 (85.1)	2	10,000	R4307, R4707
Fig. 1	THT-4-724-10	Polyimide	Amber	1.500 (38.1)	0.250 (6.4)	1.650 (41.9)	0.350 (8.9)	3.350 (85.1)	2	10,000	R4307, R4707
Fig. 2	THT-45-724-10	Polyimide	Amber	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R4302, R4702
Fig. 2	THT-15-724-2.5	Polyimide	Amber	2.000 (50.8)	0.250 (6.4)	-	0.375 (9.5)	2.200 (55.9)	1	2,500	R4302, R4702
Fig. 2	THT-48-724-10	Polyimide	Amber	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R4302, R4702
Fig. 2	THT-7-724-3	Polyimide	Amber	2.750 (69.9)	1.250 (31.8)	-	1.375 (34.9)	2.950 (74.9)	1	3,000	R4300
Fig. 2	THT-16-724-2.5	Polyimide	Amber	3.000 (76.2)	0.250 (6.4)	-	0.375 (9.5)	3.200 (81.3)	1	2,500	R4300

Custom Laser Engravable Traceability Labels

B-730: Black matte laser markable polyimide (PI)

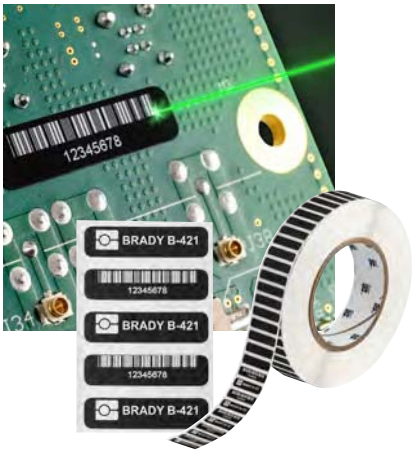
B-731: Black matte electrostatic dissipative (ESD) laser markable (PI)

B-421: Black matte laser markable polyester (PET)

Laser marking or engraving is a complimentary process to thermal heat transfer. While laser engraving is slower than THT, it is second to none in print permanence. The printing process of these labels also creates a very high resolution print. So precise that it can reach up to 1200 dpi, making it ideal for the small font applications that are often required in electrical component boards.

Other features include:

- Repeated harsh aqueous cleaning resistance
- High temperature, wave soldering resistance up to 572° F (300° C)
- Custom sizes engineered-to-order and ready to ship in under 3 weeks
- Compatibility with most IR laser marking systems
- Optional ESD prevention layers
- Reduced rework issues related to direct laser marking board materials



Contact Brady for a custom quote.

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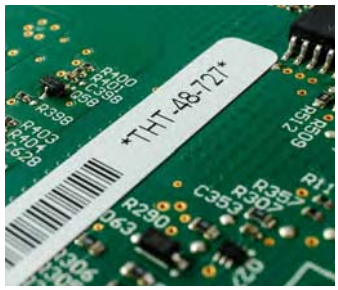
B-727 Ultra Durable Polyimide Material

Color: White **Finish: Gloss**

High temperature polyimide material (2 mil) with gloss finish withstands wave solder environments for printed circuit board and electronic component preprocess labeling. The ultra durable adhesive is designed for use with extreme wash protocol and cleaning chemicals. Also ideal for use in auto apply equipment.



Performance Attributes:

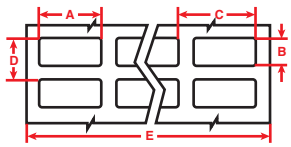


Figure 1

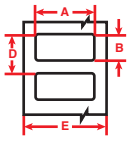


Figure 2

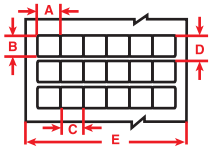


Figure 4

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 4	THT-11-727-10	Polyimide	White	0.250 (6.4)	0.250 (6.4)	0.250 (6.4)	0.375 (9.5)	3.200 (81.3)	12	10,000	R6002, R4702
Fig. 1	THT-70-727-20	Polyimide	White	0.250 (6.4)	0.250 (6.4)	0.320 (8.1)	0.350 (8.9)	2.370 (60.2)	7	20,000	R6000
Fig. 1	THT-71-727-20	Polyimide	White	0.315 (8.0)	0.315 (8.0)	0.375 (9.5)	0.415 (10.5)	2.390 (60.7)	6	20,000	R6000
Fig. 1	THT-38-727-10	Polyimide	White	0.375 (9.5)	0.375 (9.5)	0.437 (11.1)	0.475 (12.1)	3.200 (81.3)	7	10,000	R6002, R4702
Fig. 1	THT-12-727-10	Polyimide	White	0.500 (12.7)	0.437 (11.1)	0.662 (16.8)	0.537 (13.6)	3.350 (85.1)	5	10,000	R6002, R4702
Fig. 2	THT-97-727-10	Polyimide	White	0.500 (12.7)	0.200 (5.1)	-	0.300 (7.6)	0.700 (17.8)	1	10,000	R6011
Fig. 1	THT-14-727-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002, R4702
Fig. 2	THT-47-727-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 1	THT-1-727-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R6007, R4707
Fig. 2	THT-46-727-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006, R4706
Fig. 1	THT-2-727-10	Polyimide	White	0.900 (22.9)	0.250 (6.4)	1.125 (28.6)	0.350 (8.9)	3.350 (85.1)	3	10,000	R6007, R4707
Fig. 2	THT-49-727-10	Polyimide	White	0.900 (22.9)	0.250 (6.4)	-	0.350 (8.9)	1.100 (27.9)	1	10,000	R6006, R4706
Fig. 2	THT-103-727-10	Polyimide	White	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-42-727-10	Polyimide	White	1.000 (25.4)	0.187 (4.8)	-	0.287 (6.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-58-727-10	Polyimide	White	1.000 (25.4)	0.375 (9.5)	-	0.475 (12.1)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-59-727-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 1	THT-13-727-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	1.300 (33.0)	0.375 (9.5)	2.750 (69.9)	2	10,000	R6002, R4702
Fig. 2	THT-43-727-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006, R4706
Fig. 1	THT-40-727-10	Polyimide	White	1.375 (34.9)	0.250 (6.4)	1.475 (37.5)	0.375 (9.5)	3.050 (77.5)	2	10,000	R6002, R4702
Fig. 2	THT-44-727-10	Polyimide	White	1.375 (34.9)	0.250 (6.4)	-	0.350 (8.9)	1.600 (40.6)	1	10,000	R6006, R4706
Fig. 1	THT-4-727-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	1.650 (41.9)	0.350 (8.9)	3.350 (85.1)	2	10,000	R6007, R4707
Fig. 2	THT-45-727-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000
Fig. 2	THT-60-727-10	Polyimide	White	1.500 (38.1)	0.125 (3.2)	-	0.225 (5.7)	1.700 (43.2)	1	10,000	R6000
Fig. 2	THT-72-727-10	Polyimide	White	1.750 (44.5)	0.250 (6.4)	-	0.350 (8.9)	1.950 (49.5)	1	10,000	R6000
Fig. 2	THT-15-727-2.5	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.375 (9.5)	2.200 (55.9)	1	2,500	R6000
Fig. 2	THT-48-727-10	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R6000

B-728 Polyimide Material

Color: White **Finish: Matte**

2 mil thick white polyimide with a permanent adhesive and a special matte topcoat that prevents solder balls from sticking to the label after molten wave solder exposure.

Performance Attributes:

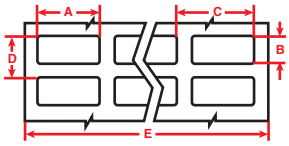


Figure 1

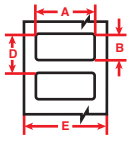


Figure 2

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1	THT-70-728-20	Polyimide	White	0.250 (6.4)	0.250 (6.4)	0.320 (8.1)	0.350 (8.9)	2.370 (60.2)	7	20,000	R6000
Fig. 1	THT-96-728-10	Polyimide	White	0.500 (12.7)	0.275 (7.0)	0.600 (15.2)	0.375 (9.5)	2.500 (63.5)	4	10,000	R6002, R4702
Fig. 2	THT-97-728-10	Polyimide	White	0.500 (12.7)	0.200 (5.1)	-	0.300 (7.6)	0.700 (17.8)	1	10,000	R6011
Fig. 2	THT-99-728-10	Polyimide	White	0.500 (12.7)	0.500 (12.7)	-	0.600 (15.2)	0.700 (17.8)	1	10,000	R6011
Fig. 1	THT-14-728-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002, R4702
Fig. 2	THT-47-728-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 1	THT-1-728-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R6007, R4707
Fig. 2	THT-46-728-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006, R4706
Fig. 2	THT-103-728-10	Polyimide	White	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-42-728-10	Polyimide	White	1.000 (25.4)	0.187 (4.8)	-	0.287 (6.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-59-728-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-15-728-2.5	Polyimide	White	1.250 (31.75)	0.250 (6.4)	-	-	-	1	2500	R6000, R4700
Fig. 2	THT-43-728-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006, R4706
Fig. 2	THT-45-728-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000

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3” Core Materials - Polyimide

B-729 Ultra Durable Polyimide Material

Color: White **Finish: Matte**

High temperature low profile (1 mil) polyimide material with an ultra durable adhesive designed for use with extreme wash protocol and cleaning chemicals. The reduced profile is ideal for processes requiring thin or lighter weight materials. Special matte topcoat prevents solder balls from sticking to the label after wave soldering.

Performance Attributes:

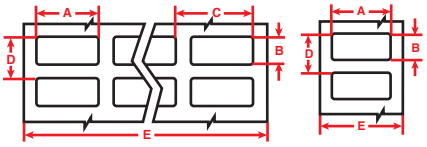

Figure 1

Figure 2

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1	THT-70-729-20	Polyimide	White	0.250 (6.35)	0.250 (6.4)	-	-	-	7	20,000	R6000, R4700
Fig. 1	THT-104-729-20	Polyimide	White	0.315 (8.0)	0.177 (4.5)	0.375 (9.5)	0.278 (7.1)	2.390 (60.7)	6	20,000	R6000
Fig. 1	THT-38-729-10	Polyimide	White	0.375 (9.5)	0.375 (9.5)	0.437 (11.1)	0.475 (12.1)	3.200 (81.3)	7	10,000	R6002, R4702
Fig. 1	THT-96-729-10	Polyimide	White	0.500 (12.7)	0.275 (7.0)	0.600 (15.2)	0.375 (9.5)	2.500 (63.5)	4	10,000	R6002, R4702
Fig. 2	THT-97-729-10	Polyimide	White	0.500 (12.7)	0.200 (5.1)	-	0.300 (7.6)	0.700 (17.8)	1	10,000	R6011
Fig. 1	THT-14-729-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002, R4702
Fig. 2	THT-47-729-10	Polyimide	White	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 1	THT-1-729-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	10,000	R6007, R4707
Fig. 2	THT-46-729-10	Polyimide	White	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006, R4706
Fig. 2	THT-103-729-10	Polyimide	White	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-59-729-10	Polyimide	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006, R4706
Fig. 2	THT-43-729-10	Polyimide	White	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006, R4706
Fig. 1	THT-40-729-10	Polyimide	White	1.375 (34.9)	0.250 (6.4)	1.475 (37.5)	0.375 (9.5)	3.050 (77.5)	2	10,000	R6002, R4702
Fig. 2	THT-44-729-10	Polyimide	White	1.375 (34.9)	0.250 (6.4)	-	0.350 (8.9)	1.600 (40.6)	1	10,000	R6006, R4706
Fig. 2	THT-45-729-10	Polyimide	White	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000
Fig. 2	THT-60-729-10	Polyimide	White	1.500 (38.1)	0.125 (3.2)	-	0.225 (5.7)	1.700 (43.2)	1	10,000	R6000
Fig. 2	THT-15-729-2.5	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.375 (9.5)	2.200 (55.9)	1	2,500	R6000
Fig. 2	THT-48-729-10	Polyimide	White	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R6000
Fig. 2	THT-16-729-2.5	Polyimide	White	3.000 (76.2)	0.250 (6.4)	-	0.375 (9.5)	3.200 (81.3)	1	2,500	R6002, R4702

B-776 Polyimide Material

Color: Light Green **Finish: Gloss**

Light green polyimide material with glossy finish and permanent adhesive. Used in printed circuit board and electronic component preprocess labeling. In combination with the Series R600/R600HF ribbons, it meets the requirements of MIL-STD-202G, Method 215K and complies with JIG-101.

Performance Attributes:

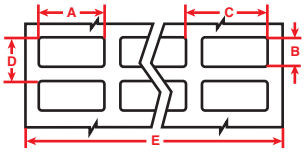

Figure 1

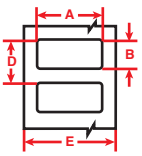

Figure 2

Diagram	Catalog #	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1	THT-70-776-20	Polyimide	Light Green	0.250 (6.4)	0.250 (6.4)	0.320 (8.1)	0.350 (8.9)	2.370 (60.2)	7	20,000	R6000
Fig. 1	THT-14-776-10	Polyimide	Light Green	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	10,000	R6002
Fig. 2	THT-47-776-10	Polyimide	Light Green	0.650 (16.5)	0.200 (5.1)	-	0.300 (7.6)	0.850 (21.6)	1	10,000	R6011
Fig. 2	THT-46-776-10	Polyimide	Light Green	0.750 (19.1)	0.250 (6.4)	-	0.350 (8.9)	0.950 (24.1)	1	10,000	R6006
Fig. 1	THT-1-776-10	Polyimide	Light Green	0.750 (19.05)	0.250 (6.4)	-	-	-	4	10000	R6000
Fig. 1	THT-2-776-10	Polyimide	Light Green	0.900 (22.9)	0.250 (6.4)	1.125 (28.6)	0.350 (8.9)	3.350 (85.1)	3	10,000	R6007
Fig. 2	THT-49-776-10	Polyimide	Light Green	0.900 (22.9)	0.250 (6.4)	-	0.350 (8.9)	1.100 (27.9)	1	10,000	R6006
Fig. 2	THT-103-776-10	Polyimide	Light Green	1.000 (25.4)	0.250 (6.4)	-	0.350 (8.9)	1.200 (30.5)	1	10,000	R6006
Fig. 2	THT-59-776-10	Polyimide	Light Green	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	10,000	R6006
Fig. 1	THT-13-776-10	Polyimide	Light Green	1.250 (31.8)	0.250 (6.4)	1.300 (33.0)	0.375 (9.5)	2.750 (69.9)	2	10,000	R6002
Fig. 2	THT-43-776-10	Polyimide	Light Green	1.250 (31.8)	0.250 (6.4)	-	0.350 (8.9)	1.450 (36.8)	1	10,000	R6006
Fig. 1	THT-4-776-10	Polyimide	Light Green	1.500 (38.1)	0.250 (6.4)	1.650 (41.9)	0.350 (8.9)	3.350 (85.1)	2	10,000	R6007
Fig. 2	THT-45-776-10	Polyimide	Light Green	1.500 (38.1)	0.250 (6.4)	-	0.350 (8.9)	1.700 (43.2)	1	10,000	R6000
Fig. 2	THT-60-776-10	Polyimide	Light Green	1.500 (38.1)	0.125 (3.2)	-	0.225 (5.7)	1.700 (43.2)	1	10,000	R6000
Fig. 2	THT-15-776-2.5	Polyimide	Light Green	2.000 (50.8)	0.250 (6.4)	-	0.375 (9.5)	2.200 (55.9)	1	2,500	R6000
Fig. 2	THT-48-776-10	Polyimide	Light Green	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	10,000	R6000

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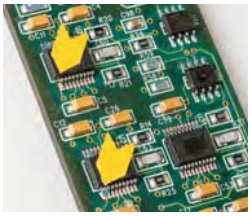
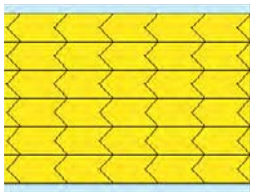
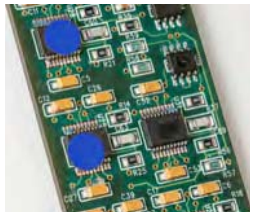




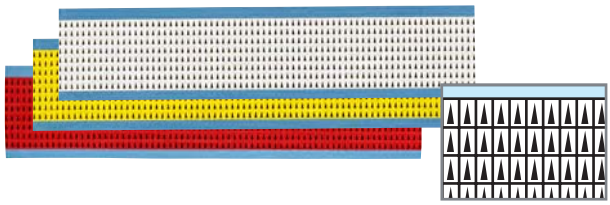
Die-Cut Inspection Arrows

Catalog #	Color	Size Inch (mm)	Markers Per Card	Cards Per Pack
DIA-250-WT	White	0.250 x 0.125 (6.35 x 3.18)	564	1
DIA-375-WT	White	0.375 x 0.187 (9.53 x 4.75)	280	1
DIA-500-WT	White	0.500 x 0.25 (12.70 x 6.35)	138	1
DIA-250-YL	Yellow	0.250 x 0.125 (6.35 x 3.18)	564	1
DIA-375-YL	Yellow	0.375 x 0.187 (9.53 x 4.75)	280	1
DIA-500-YL	Yellow	0.500 x 0.25 (12.70 x 6.35)	138	1
DIA-250-RD	Red	0.250 x 0.125 (6.35 x 3.18)	564	1
DIA-375-RD	Red	0.375 x 0.187 (9.53 x 4.75)	280	1
DIA-500-RD	Red	0.500 x 0.25 (12.70 x 6.35)	138	1



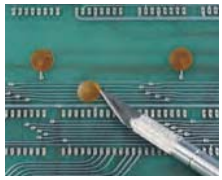
Quik-Dots™ Markers

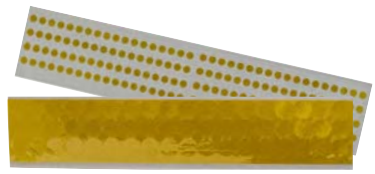
Catalog #	Color	Diameter Inch (mm)	Markers Per Card	Cards Per Pack
QD-25-WT	White	0.250 (6.35)	144	1
QD-25-YL	Yellow	0.250 (6.35)	144	1
QD-25-RD	Red	0.250 (6.35)	144	1
QD-25-BK	Black	0.250 (6.35)	144	1
QD-25-BL	Blue	0.250 (6.35)	144	1
QD-25-DG	Dark Green	0.250 (6.35)	144	1
QD-25-OR	Orange	0.250 (6.35)	144	1



Board Inspection Arrows

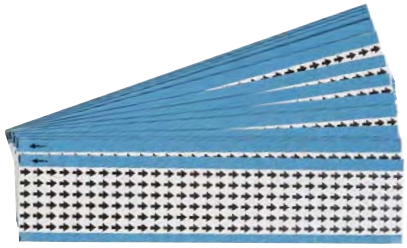
Catalog #	Color	Size Inch (mm)	Markers Per Card	Cards Per Pack
BIA-WT	White	0.125 x 0.190 (3.18 x 4.83)	576	1
BIA-YL	Yellow	0.125 x 0.190 (3.18 x 4.83)	576	1
BIA-RD	Red	0.125 x 0.190 (3.18 x 4.83)	576	1





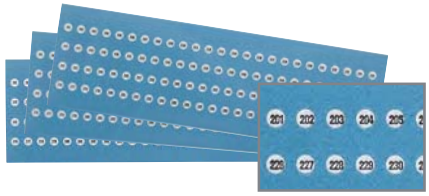
Circuit Board Solder Masks

Catalog #	Diameter Inch (mm)		Markers Per Card	Cards Per Pack
CMKC-187	0.187 (4.75)	No Zip Stripes on Backing	144	1
CMKC-250	0.250 (6.35)	No Zip Stripes on Backing	144	1
CMKC-375	0.375 (9.53)		72	1
CMKC-500	0.500 (12.70)		54	1



Electronic Inspection Arrows

Catalog #	Color	Size Inch (mm)	Markers Per Card	Cards Per Pack
EIA-3025-WT	White	0.300 x 0.250 (7.62 x 6.35)	180	1
EIA-3025-YL	Yellow	0.300 x 0.250 (7.62 x 6.35)	180	1
EIA-3025-RD	Red	0.300 x 0.250 (7.62 x 6.35)	180	1



REV._____

WOX-57

Serialized Revision Markers

Catalog #	Legend	Diameter Inch (mm)	Qty. Per Card	Cards Per Pack
SER-620A-1-100	1-100	0.156 Dia. (3.96)	100	1
SER-620A-101-200	101-200	0.156 Dia. (3.96)	100	1
SER-620A-201-300	201-300	0.156 Dia. (3.96)	100	1
SER-620A-301-400	301-400	0.156 Dia. (3.96)	100	1
SER-620A-401-500	401-500	0.156 Dia. (3.96)	100	1
SER-620A-501-600	501-600	0.156 Dia. (3.96)	100	1
SER-620A-601-700	601-700	0.156 Dia. (3.96)	100	1
SER-620A-701-800	701-800	0.156 Dia. (3.96)	100	1
SER-620A-801-900	801-900	0.156 Dia. (3.96)	100	1
SER-620A-901-999	901-999	0.156 Dia. (3.96)	100	1
SER-620A-C-1-999	1-999	0.156 Dia. (3.96)	100	1
WOX-57	REV	0.250 x 0.750 (6.35 x 19.05)	72	1