

Scotch™ brand No. 1280 Circuit Plating Tape



Technical Data

SCOTCH BRAND NO. 1280 CIRCUIT PLATING TAPE

DESCRIPTION: A green polyester film tape with a special conformable adhesive which resists plating bath chemicals.

CONSTRUCTION:

Backing:	Polyester
Adhesive:	Blended silicone and rubber
Color	Red
Standard Roll Length:	144 yards (131,6 m) and 72 yds. (65,8 m)

TYPICAL PHYSICAL PROPERTIES: Not Recommended for Specification Purposes

		<u>ASTM METHOD</u>
Adhesion to Steel:	29 oz./in. width (32 N/100mm)	D-3330
Tensile Strength at Break:	29 lbs./in. width (508 N/100mm)	D-3759
Elongation at Break:	110%	D-3759
Backing Thickness:	.09 mils (.02 mm)	D-3652
Total Tape Thickness:	4.2 mils (.11 mm)	D-3652

GENERAL INFORMATION:

1. This low stretch polyester film can be applied by machine, as well as hand application.
2. The tape must be firmly pressed down by equipment with rubber covered rollers or a rubber covered platen press. Hand rolling usually does not provide enough pressure. A vivid outline of the circuit leads indicates adequate pressure was used.
3. Solvent clean-up of the board is recommended to facilitate subsequent soldering.

POSSIBLE USES:

Masking of printed circuit boards during solder stripping and precious metal plating of fingers.
Splicing of silicone treated papers.

Scotch™ brand No. 1280 Circuit Plating Tape

Page 2

FEATURES

Polyester backing

Thick adhesive coating

Specially designed adhesive

ADVANTAGES

Reduces stretch and recovery of tape and associated uneven stop-off line

Reduces undercutting because adhesive blocks out solutions between fingers

Tape generally performs better when no ovens are used to heat tape and boards

Reduces adhesive transfer to printed circuit board

BENEFITS

Saves money by reducing number of reject boards

Saves money by reducing reject boards

Saves energy and labor costs

Saves money by reducing clean-up time

Important Notice: All statements, technical information and recommendations herein are based on tests and data we believe to be reliable. But the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties. Expressed or implied, including the implied warranties of merchantability and fitness for purpose. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE EITHER IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE, DIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. No statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by officers of seller and manufacturer.

70-0703-2485-3

"Scotch" is a trademark of 3M

© 3M 1989

Litho in USA with 3M offset plates, film and proofing systems.

3M Industrial Tape Division

3M Center Bldg. 220-8E-04
St. Paul. NM 55411-1000

