

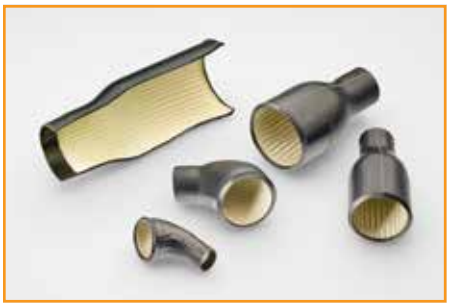
INSTALITE Molded Boots with Rayaten Shielding

Rugged, Reliable and EMI Enhanced Molded Parts for Sealed Harness Applications

Downloaded from Arrow.com.

INSTALITE Molded Boots with Rayaten Shielding

Rugged, Reliable And EMI Enhanced Molded Parts



VERSATILE

- Fits most circular connectors and backshells
- Approximately 2:1 shrink ratio
- Straight, right-angled, and transitional shapes available
- D Subminiature options for rectangular connector backshells

RUGGED

- Abrasion resistant
- Resists most common military fuels, oils, and greases

ENHANCED EMI PERFORMANCE

- 70 dB of attenuation up to 1 Ghz
- EMI continuity from harness braid through the backshell

LIGHTWEIGHT

- New and improved coating
- Coatings can be custom designed

Description

TE Connectivity (TE) now offers the Rayaten family of high performance, rugged, versatile, heat-shrinkable molded parts, that offer lightweight screening capability of 70 db of attenuation up to 1 Ghz. When looking for high reliability, excellent strain relief and enhanced EMI performance, in a small, rugged, environmentally sealed product, you can count on the Rayaten family of molded parts. Rayaten molded parts are available in standard -25 (System 25) compound, and -100 (System 100) Zero Halogen, low fire hazard compound.

This next generation Rayaten product provides the same level of shielding and performance as the original Rayaten series, with improved installation properties, making it easier to use.

Customization

For less (or more) demanding EMI applications, TE can customize the EMI shielding level of the product to meet specific customer requirements. Please contact your TE sales representative to discuss such requirements.

End to End Solutions

Rayaten product family is part of our wide portfolio of INSTALITE heat-shrinkable molded shapes, lightweight braids, and compatible adhesives, backshells, terminations and heat-shrinkable tubings. These products allow us to bring both expertise and knowledge in end-to-end sealed harnessing solutions for the Aerospace, Defense & Marine Markets.

APPLICATIONS

- Military Ground Vehicles
- Missile and Missile Launchers
- Naval Shipboard
- Flight Control Systems
- Radar Systems
- C4ISR Systems

TE Components . . . TE Technology . . . TE Know-how . . .

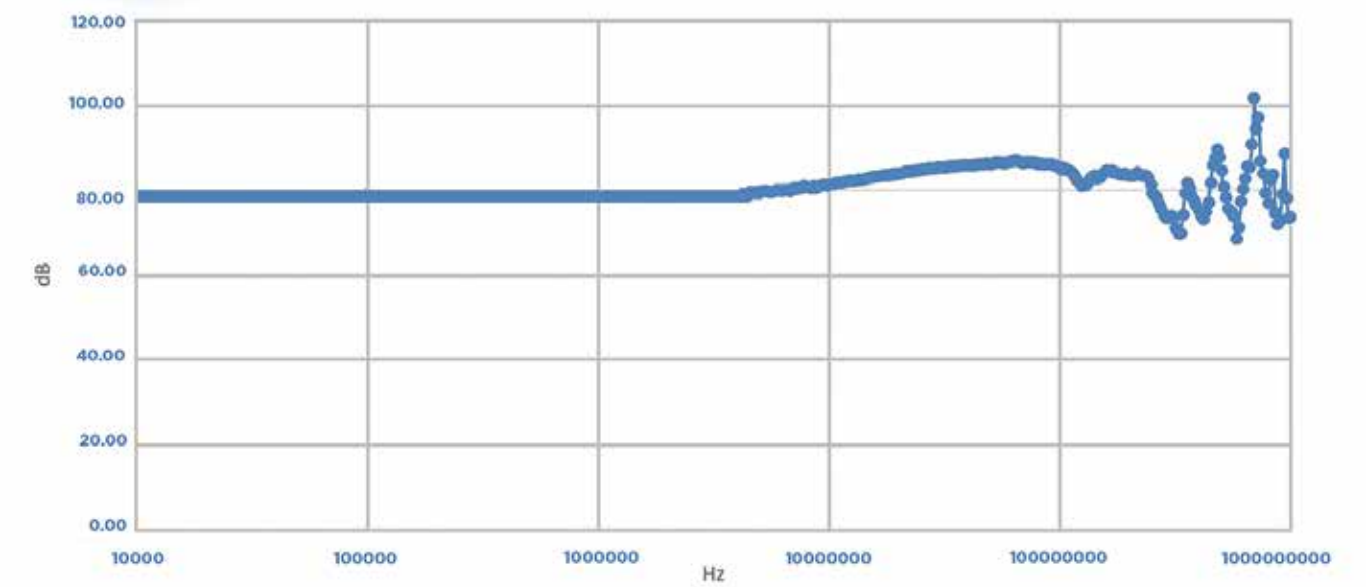
AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem SEACON | Rochester | DEUTSCH

Empower Engineers to Solve Problems, Moving the World Forward.

Downloaded from Arrow.com.

Screening Effectiveness

Ultraconductive coating material tested on 202S152 molded parts
Terminated using S1184 adhesive





Cross Sectional Area

PERFORMANCE CHARACTERISTICS

Product Specification
RW-3046 (-100C)
RW-3047 (-25C)

ELECTRICAL

Screening performance:
Boots: 3kHz-30 MHz 75 dB min >30 MHz-100 MHz 70 dB min: Transitions 3 kHz-100 MHz 65 dB min

Physical Properties (including thermal, mechanical and environmental testing)

Meets performance requirements of System 25 and System 100. See product specifications.

CONTINUOUS OPERATING TEMPERATURE

-75°C to +150°C (System 25)
-30°C to +105°C (System 100)

INSTALLATION INSTRUCTIONS

ELE-3COP-505: Installation of Coated Straight, 90° and 45° Molded Parts

ELE-3COP-508: Installation of Coated Molded Parts onto D-Subminiature Connectors

ELE-3COP-573: Installation of Coated Transition Molded Parts

Downloaded from Arrow.com.

LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit te.com to chat with a Product Information Specialist.

Technical Support

te.com/support-center

North America	+1 800 522 6752	Asia Pacific	+86 400 820 6015
North America (Toll)	+1 717 986 7777	Japan	+81 044 844 8180
EMEA/South Africa	+800 0440 5100	Australia	+61 2 9554 2695
EMEA (Toll)	+31 73 624 6999	New Zealand	+64 (0) 9 634 4580
India (Toll-Free)	+800 440 5100		

te.com/rayaten

INSTALITE, Rayaten, AMP, AGASTAT, CII, DEUTSCH, HARTMAN, KILOVAC, MICRODOT, NANONICS, POLAMCO, Raychem, SEACON, TE, TE Connectivity and the TE connectivity (logo) are trademarks of TE Connectivity. Other products, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE Connectivity (TE) has made every reasonable effort to ensure the accuracy of the information herein, nothing herein constitutes any guarantee that such information is error-free, or any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. The TE entity issuing this publication reserves the right to make any adjustments to the information contained herein at any time without notice. All implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose are expressly disclaimed. The dimensions herein are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice.

Consult TE for the latest dimensions and design specifications.

© 2018 TE Connectivity All Rights Reserved.

1-1773953-5 05/18

Downloaded from Arrow.com.