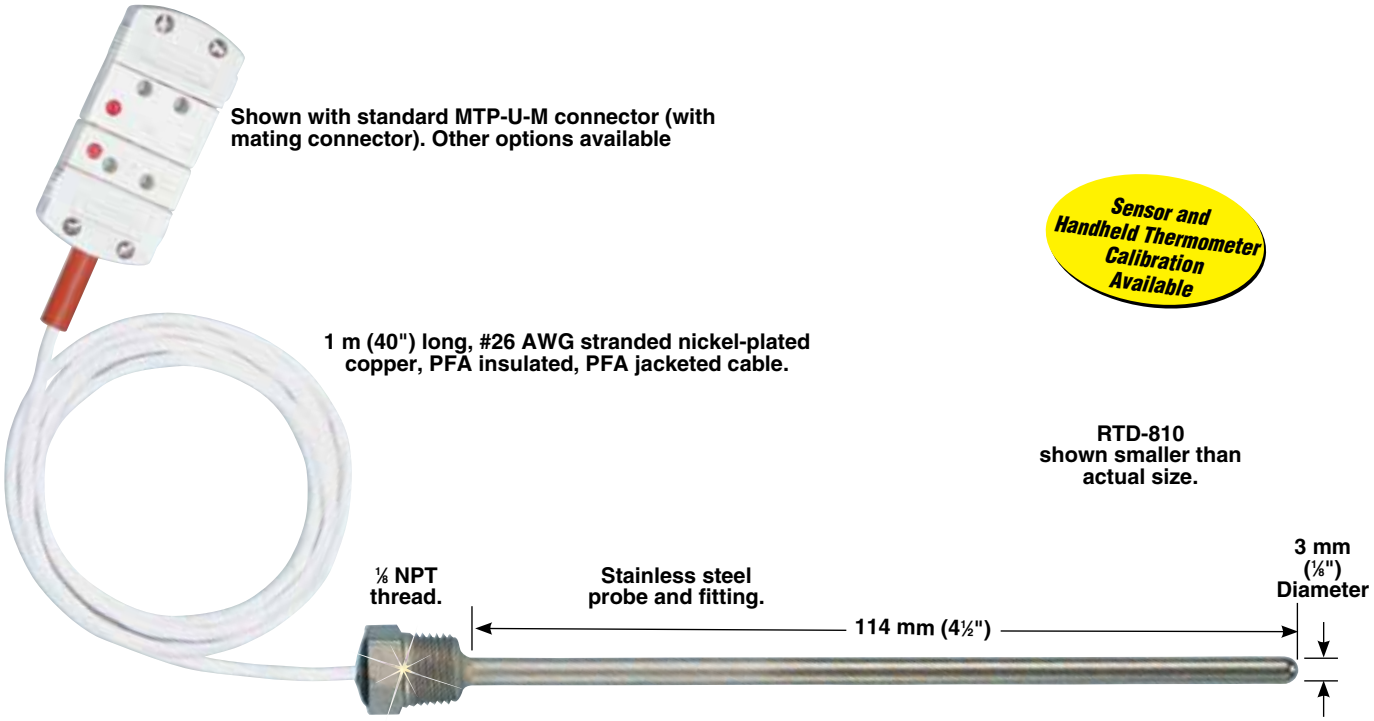
High-Accuracy Fluid Immersion RTD Sensors

For Use in Monitoring Temperature in Fluid and Pressurized Applications

ACCURACY IEC CLASS A (±0.15°C @ 0°C)

- Provided with High-Accuracy Class "A" 100 Ω Element (Standard)
- Stainless Steel Probe Stem and Mounting Fitting (⅛ NPT) Provided
- Usable Temperature Range: -200 to 750°C (Cable to 232°C)
- 3-Wire Construction for Connecting to Most Instruments



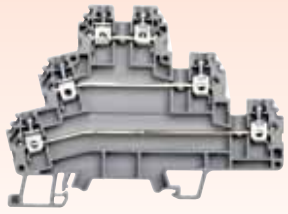
To Order

Model Number	Sensing Element	Cable	Maximum Temperature
RTD-810	100 Ω Class "A" DIN	1 m (40") long PFA insulated	750°C (cable 232°C)
RTD-810-OTP	100 Ω Class "A" DIN	1 m (40") long PFA with OTP connector	750°C (cable 232°C)
RTD-810-TA3F	100 Ω Class "A" DIN	1 m (40") long PFA with TA3F connector	750°C (cable 232°C)

Terminations Available: *Provided with standard miniature connector; for larger sized connector, add* ***"-OTP"*** *to model number f; for audio connector, add* ***"-TA3F"*** *to model number for an additional cost.*

Ordering Example: RTD-810-OTP, *Class "A" accuracy with heavy-duty connector.* ***RTD-810-TA3F,*** *Class "A" accuracy with audio connector.*

Accessories



PUK-2T-10PK DIN rail terminal block, 10 pack



DRF-RTD DIN rail mountable signal conditioner



HH804U, handheld



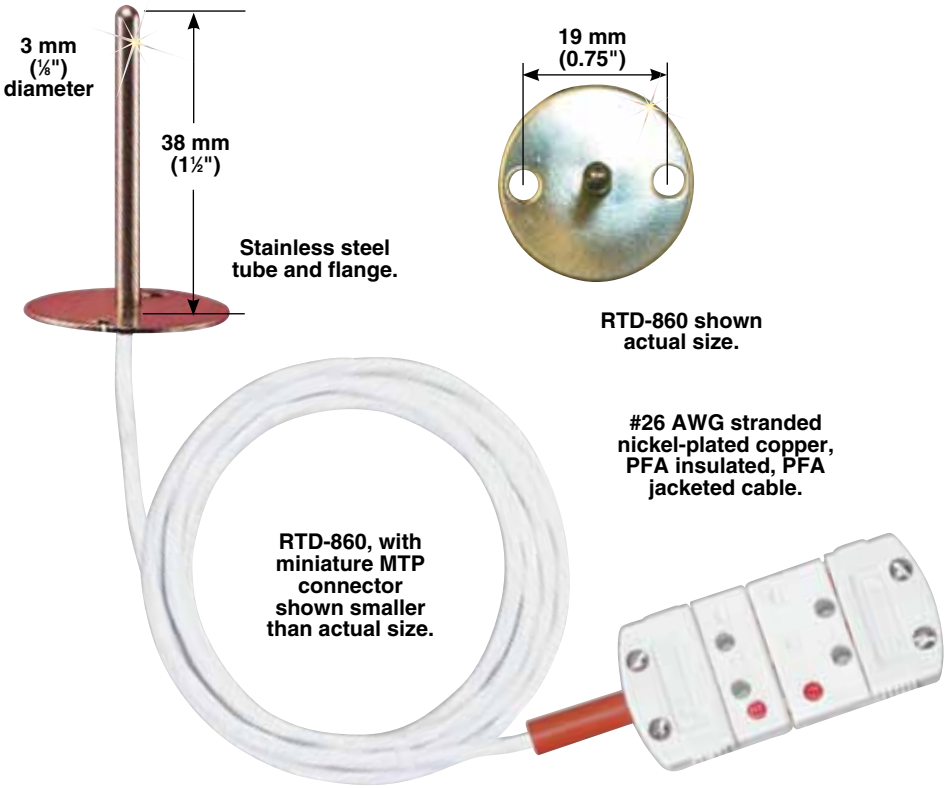
TX86 transmitter with built-in indicator

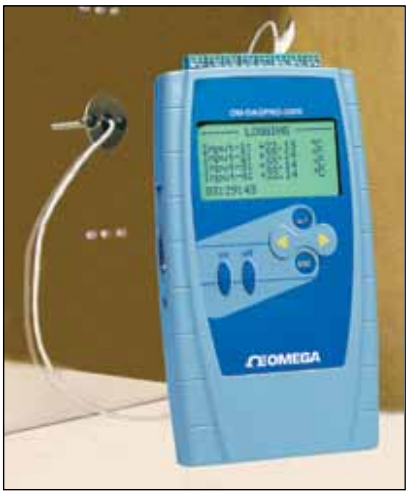
Precision RTD Probes for Laboratory Applications

For Measuring Temperature in Gas and Air Applications

ACCURACY IEC CLASS A (±0.15°C @ 0°C)

- High-Accuracy 100 Ω Class "A" DIN Platinum Element Standard
- Includes Stainless Steel Flange and Sheath for Easy Installation
- 3-Wire Construction for Connecting to Most Instruments





Shown smaller than actual size with optional OM-DAQPRO-5300.

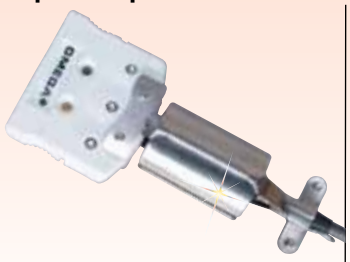
Supplied with miniature MTP style connector. Other connectors also available.

To Order			
Model Number	**Sensing Element**	**Cable**	**Maximum Temperature**
RTD-860	100 Ω Class "A" DIN	1 m (40") long PFA insulated	230°C (450°F)
RTD-860-OTP	100 Ω Class "A" DIN	1 m (40") long PFA with OTP Connector	230°C (450°F)
RTD-860-SPRTXM1	100 Ω Class "A" DIN	1 m (40") long PFA SPRTX-MTH	230°C (450°F)

Terminations Available: *Provided with standard miniature connector; for larger sized connector add* ***"-OTP"*** *to model number for an additional cost; for audio connector add* ***"-TA3F"*** *to model number for an additional cost.*

Ordering Examples: RTD-860-OTP, *Class "A" accuracy with standard sized connector,* ***RTD-860-TA3F,*** *Class A accuracy with audio connector.*

Popular Options Include:



SPRTX 4 to 20 mA transmitter.



CNi3253 controller.



HE-XT105 PLC/HMI all-in-one.



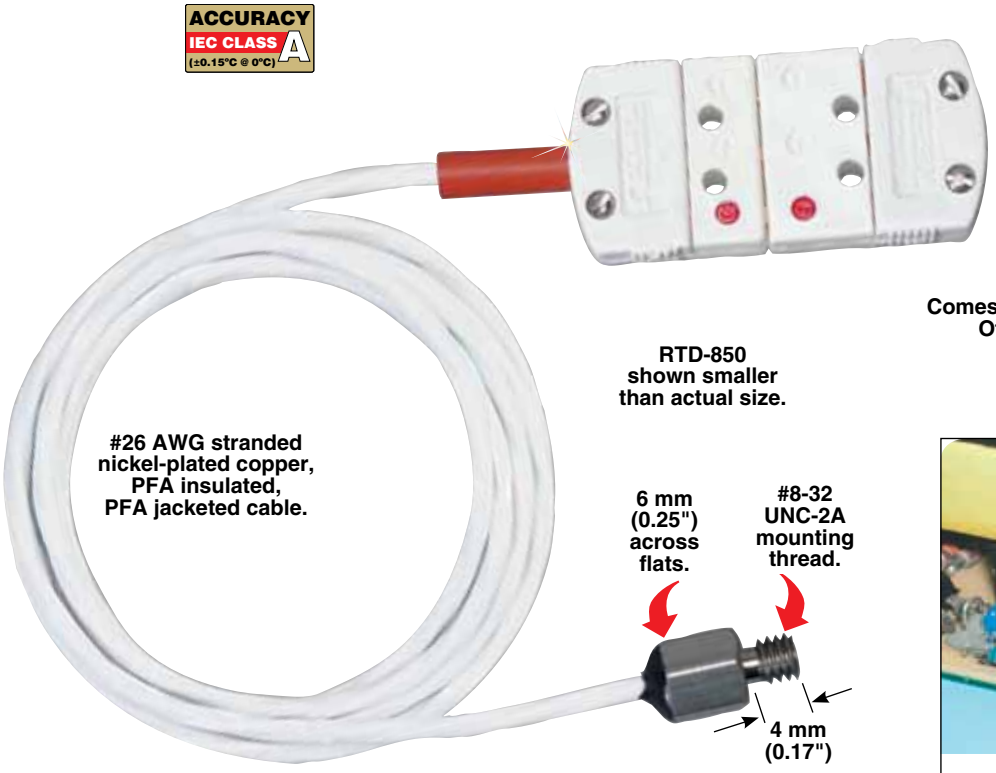
OM-SQ2010 data logger.

C

RTD Sensor with Miniature Housing

Stud-Mount Construction For Use in Limited Spaces

- Stainless Steel Housing with #8-32 Thread Can be Installed in Tight Places
- High-Accuracy, 100 Ω, Class "A" DIN Platinum Element Standard
- 3-Wire Construction for Connecting to Most Instruments





Perfect for tight spaces where temperature control is needed.

To Order

Model Number	Sensing Element	Cable	Max Temperature
RTD-850-TA3F	100 Ω Class "A" DIN	1 m (40") Long PFA Insulated	230°C (450°F)
RTD-850-SPRTXM1	100 Ω Class "A" DIN	1 m (40") Long PFA Insulated	230°C (450°F)
RTD-850	100 Ω Class "A" DIN	1 m (40") Long PFA Insulated	230°C (450°F)

*Terminations Available: Provided with a miniature connector standard. For heavy duty connector add **"-OTP"** to model number for an additional cost. For audio connector add **"-TA3F"** to model number for an additional cost.*

***Ordering Examples: RTD-850-OTP,** 100 Ω Class "A" DIN with heavy-duty connector.*

***RTD-850-SPRTX(M1),** 100 Ω Class "A" DIN with 4 to 20 mA transmitter.*

Popular Options Include:



CN1A-TC temperature controller.



TXDIN1610 universal DIN rail transmitter.



OM-DAQPRO-5300 handheld data logger.



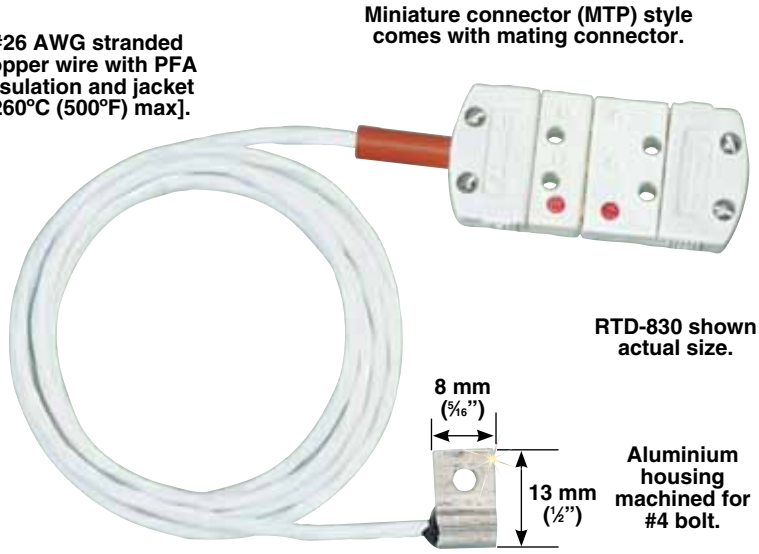
DRF-RTD DIN rail mountable signal conditioner.

1.888.610.7664 www.calcert.com sales@calcert.com

Surface Mount RTD Sensor

ACCURACY IEC CLASS A (±0.15°C @ 0°C)

- Aluminium Housing for Fast Response Time
- Small Size Can be Installed on Most Flat Surfaces
- High-Accuracy, 100 Ω, Class "A" DIN Platinum Element
- 3-Wire Construction for Connecting to Most Handheld Instruments
- Custom Holes Available; Contact Our Custom Engineering Department

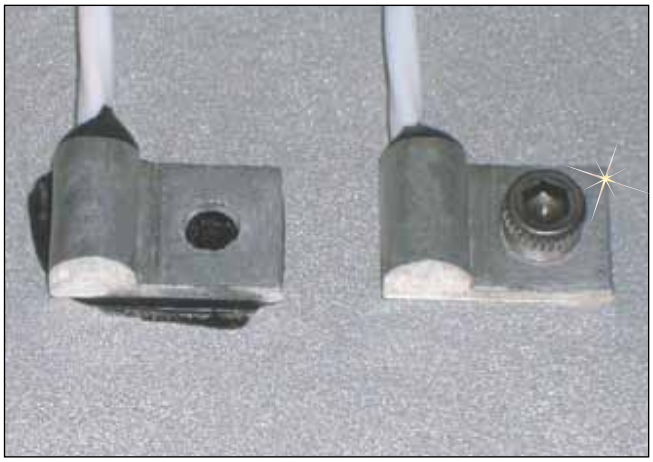


To Order

Model Number	Sensing Element	Cable	Max Temperature
RTD-830	100 Ω Class "A" DIN	1 m (40") PFA insulated	230°C (450°F)
RTD-830-TA3F	100 Ω Class "A" DIN	1 m (40") PFA insulated	230°C (450°F)

*Terminations Available: Provided with a miniature connector standard, for heavy duty connector add **"-OTP"** to model number for an additional cost. For audio connector add **"-TA3F"** to model number for an additional cost.*

***Ordering Examples: RTD-830-SPRTX(M1),** 100 Ω class "A" DIN with 4 to 20 mA transmitter.*
***RTD-830-TA3F,** 100 Ω class "A" with audio connector.*



Typical epoxy mounting; see OMEGABOND® cements and epoxies.

Typical bolt-mounted configuration could be used with OMEGATHERM® thermal paste.

Options



OT-201-1/2 high conductive paste.

OMEGABOND epoxies.

How are OMEGA's Model Numbers Constructed?

Termination Options: (Blank) = Miniature Connector (Standard)
OTP = Heavy-Duty Connector LUG = Copper Lugs
TA3F = Audio Connector SPRTX = Transmitter

Class "B" also available in economical 3-packs.

RTD — 830 — OTP

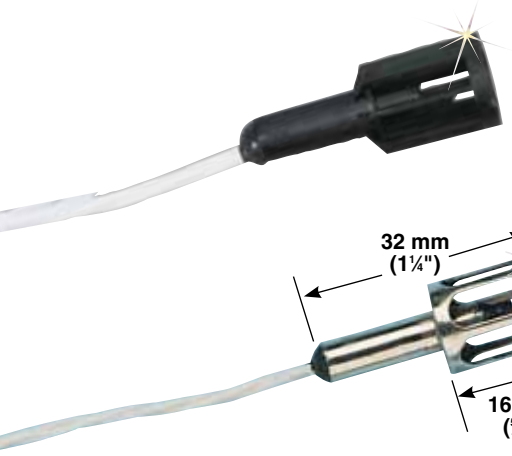
Ordering Example: RTD-830-OTP.

C

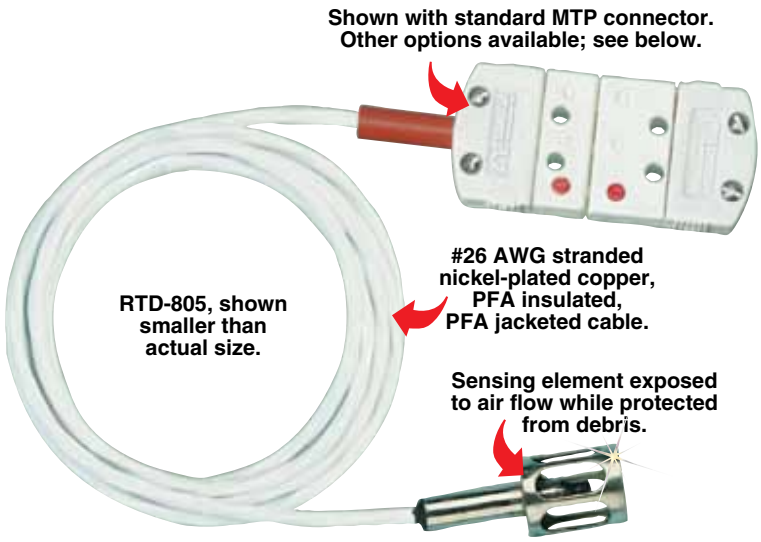
Air Temperature RTD Sensors

ACCURACY IEC CLASS A (±0.15°C @ 0°C)

- For Monitoring of Air and Gas Streams; Mounts in Any Orientation
- Exposed Sensing Element Has Fast Response Times in Air
- Available with Stainless Steel or Plastic Housings
- High-Accuracy, 100 Ω, Class "A" DIN Platinum Element
- 3-Wire Construction for Connecting to Most Instruments
- Perfect for Air Temperature Monitoring and Control in Laboratories and Laminar Flow Benches



RTD-805 with stainless steel shield, shown actual size.



To Order

Model Number	Sensing Element	Cable	Max Temperature
RTD-805	100 Ω Class "A" DIN	1 m (40") PFA insulated	230°C (450°F)
RTD-806	100 Ω Class "A" DIN	1 m (40") PFA insulated	230°C (450°F)

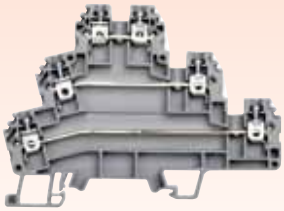
*Terminations Available: Provided with a miniature connector standard. For heavy-duty connector add **"-OTP"** to model number for an additional cost. For audio connector add **"-TA3F"** to model number for an additional cost. For terminal lugs add **"-LUG"** to model number for an additional cost.*

***Ordering Examples: RTD-805-TA3F,** 100 Ω class "A" SST housing with terminal lugs.*

Popular Options Include:



iDRN-RTD digital signal conditioner



PUK-2T-10PK DIN rail terminal block, 10 pack



CN606RTD3 6-zone ¼ DIN temperature monitor.



OM-CP-OCTRTD 8-channel data logger

How are OMEGA's Model Numbers Constructed?

Termination Options: (Blank) = Miniature Connector (Standard)
OTP = Heavy-Duty Connector LUG = Copper Lugs
TA3F = Audio Connector:

Class "B" also available in economical 3-packs.

RTD — 805 — **TA3F**
RTD — 806 — **LUG**

Ordering Example: RTD-805-TA3F. RTD-806-SPRTX(M1).

Encapsulated RTD Sensors

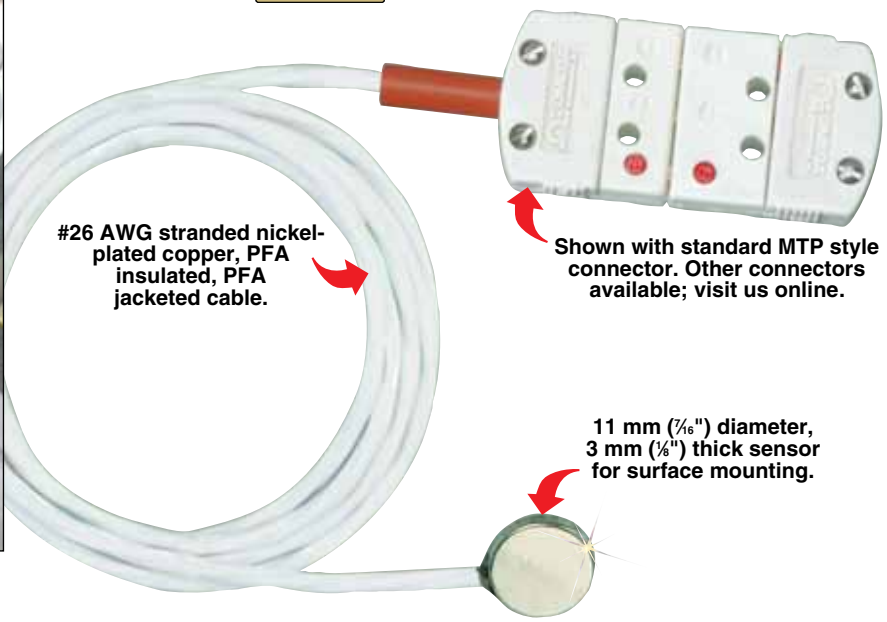
- Flat Disc Shape is Ideal for Surface Temperature Measurements
- Bonds to Surfaces for Measuring Heat Loss or Operating Temperatures
- High-Accuracy, 100 Ω, Class "A" DIN Platinum Element
- 3-Wire Construction for Connecting to Most Instruments



RTD-809 shown smaller than actual size.

RTD-809

ACCURACY IEC CLASS A (±0.15°C @ 0°C)



To Order

Model Number	Sensing Element	Cable	Max Temperature
RTD-809	100 Ω Class "A" DIN	1 m (40") PFA Insulated	230°C (450°F)

Terminations Available: *Provided with a miniature connector standard. For heavy-duty connector add* ***"-OTP"*** *to model number, for additional cost. to price. For audio connector add* ***"-TA3F"*** *to model number, for additional cost.*

Ordering Example: RTD-809-TA3F*, 100 Ω class "A" DIN with audio connector.*

Popular Options Include:



DP25B-RTD process meter/ controller.



TX86 transmitter with built-in indicator.



OM-DAQPRO-5300 handheld data logger.



OM-CP-QUADRTD 4-channel data logger.

How are OMEGA's Model Numbers Constructed?

Termination Options: (Blank) = Miniature Connector (Standard)
OTP = Heavy-Duty Connector LUG = Copper Lugs
TA3F = Audio Connector SPRTX = Transmitter

Class "B" also available in economical 3-packs.

RTD — 809 — OTP