



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DATA SHEET

Document number: TTDS-019
Issue: 4
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RPS Heat shrinkable sleeves

MATERIAL DESCRIPTION:	Thin wall, flame retarded radiation cross-linked polyolefin heat-shrinkable tubing, assembled as organized cut sleeves in a "ladder" configuration. 3:1 shrink ratio.
USE:	Identification of wires and cables by computer-based printing onto sleeves. Sleeves can also provide terminal insulation and strain relief. Suitable for many commercial applications.
PRINT METHOD/RIBBON:	See document 411-121005 IDENTIFICATION PRINTER PRODUCT RIBBON MATRIX for the recommended printer/product/ribbon combination.
SERVICE TEMPERATURE:	-30°C to +105°C (-22°F to +221°F).
COLORS:	White or yellow.
FLAMMABILITY:	Burn time <1 minute (UL 224, all tubing flame test).
LONGITUDINAL CHANGE:	20% maximum on shrinking.
TENSILE STRENGTH:	8MPa minimum (ASTM D2671).
ULTIMATE ELONGATION:	150% minimum (ASTM D2671).
MOLD GROWTH:	56 day incubation (ISO 846B) – tensile strength, ultimate elongation and Dielectric strength maintained after testing.
DIELECTRIC STRENGTH:	19.7MV/m minimum.
MAXIMUM STORAGE TEMPERATURE:	40°C (104°F).
PRINT PERMANENCE:	Print legible after 20 rubs (SAE AS5942) Print legible after 30 strokes (MIL-STD-202F, method 215J)

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THREAT	TEST	EFFECT
Isopropyl Alcohol	24 hours at 23°C (73°F), SAE AS5942 (20 rubs)	Print legible
Gasoline (unleaded)	24 hours at 23°C (73°F), SAE AS5942 (20 rubs)	Print legible
Diesel Fuel, DF2	24 hours at 23°C (73°F); SAE AS5942 (20 rubs)	Print legible
Auto Engine Oil, SF 10W-40 (SAE J 183, SAE J 300)	24 hours at 23°C (73°F); SAE AS5942 (20 rubs)	Print legible
Motor Vehicle Brake Fluid, SAE J 1703	24 hours at 23°C (73°F); SAE AS5942 (20 rubs)	Print legible
Ethylene Glycol	24 hours at 23°C (73°F); SAE AS5942 (20 rubs)	Print legible

Notes: See TE specification RW2510 for full RPS performance & dimensional details.

Some types of neoprene insulation used in jackets contain additives that can migrate to the surface and discolor the polyolefin RPS sleeves. Any discoloration is dependent on the composition of the neoprene, combined with application conditions. Users should independently evaluate the suitability of RPS sleeves for applications involving neoprene-jacketed cables.