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FOR IMMEDIATE RELEASE

CIT Relay & Switch announces RoHS, Ultra Miniature A10 Automotive Relay – Single or Dual PC Mount Package

Minneapolis, Minnesota – The A10 Series automotive relay offered by CIT Relay & Switch is rugged enough to withstand high temperatures – operating temperatures up to 105°C and is immersion cleanable. Small in size and ultra light weight at just 4g and is PCB pin mount. Also available in dual relay style the A10 Series offers coil voltage choices of 10VDC and 12VDC with 40amp in-rush.

Contact Data: Contact arrangements are 1A = SPST N.O., 1C = SPDT, 2A = (2) SPST N.O. and 2C = (2) SPDT. Contact ratings are 1A = 30A at 14VDC, 1C = 30A at 14VDC N.O., 2A = 30A at 14VDC, 2C = 30A at 14VDC N.O. and 25A at 14VDC N.C. Contact resistance is less than 30 milliohms; contact material is $AgSnO_2$. Maximum switching power is 420W. Maximum switching voltage is 28VDC. Maximum switching current is 40A ON, 30A OFF. Limiting continuous current is NO/NC: 30A/25A at 23°C, NO/NC: 25A/20A at 85°C. Coil voltage options are 10VDC and 12VDC at .55 watt.

General Data: Electrical life is 100k cycles, 20A at 14VDC with mechanical life of 10M cycles. Insulation resistance is 100MΩ minimum at 500VDC. Coil to contact dielectric strength is 500V rms minimum with contact to contact dielectric strength at 500V rms minimum. Shock resistance is 300m/s2 for 6ms with vibration resistance of 1.27mm double amplitude. Operating temperature is -40°C to 105°C and storage temperature of -40°C to 155°C. Solderability is 260°C for 5 seconds.

Typical applications of the A10 Series Relay include multiple automotive applications.

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