

PRESSEMITTEILUNG

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MONOLITHIC TRANSCEIVER (ACT4808)

RELEASED FOR AVIONIC USE

Plainview, NY – Aeroflex Circuit Technology, an Aeroflex company, (NASDAQ:ARXX), announces the development of the low power ACT4808 dual monolithic transceiver that utilizes only 25% of the previously required power in stand-by mode. The lower power consumption improves thermal management to increase product reliability.

The ACT4808 operates at +12V to +15V with 5V power supplies and a voltage source output for higher bus drive power. It is processed and screened in accordance with the individual test methods of MIL-STD-883. The ACT4808 performs the front-end analog function of inputting and outputting data through a transformer to a MIL-STD-1553 or MACAIR databus. It is also compatible with MIL-STD-1553A and B, MACAIRs A-3818, A-4905, A-5232 and A-5690.

“The ACT4808 is a universal transceiver,” said Susan Koltun, Databus and MCM Sales Manager.

“This enables avionic customers to have an off-the-shelf transceiver that is compatible with different communication bus standards. This is a cost-effective solution for customers because one transceiver can be used for various system applications.”

Continues Koltun, “In designing the ACT4808 transceiver, particular attention was directed to active filter performance resulting in low bit and word error rate with superior waveform purity and minimal zero crossover distortion. The active filter design has additional high frequency rolloff to provide the required MACAIR low harmonic distortion waveform without increasing the pulse delay characteristics significantly.”

Aeroflex’s 4808 transceiver will be available to a Standard Microcircuit Drawing (SMD) for procurement in the near future. The SMD greatly simplifies the procurement and allows Aeroflex to deliver product off-the-shelf, eliminating the costly paperwork of source control drawings. The ACT 4808 is available now; please consult the factory for price and delivery.

Aeroflex Circuit Technology, an Aeroflex company, is a leading supplier of application-specific multichip modules, standard memory products, military and avionic data communication modules, and motor controllers and power modules. Further information on the company and their products can be found at www.aeroflex.com.

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