



Advanced Semiconductors Company

Cryogenic Thermistors

	Semiconductor NTC Thermistors for Cryogenic Liquid Level Measurements	NTC thermistors for temperature range of 77K – 400K
		NTC thermistors for temperature range of 4.2K – 400K
	Ge & Si Thermistors for Low Temperatures	Ge thermistors for temperature ranges of 77K – 300K and 50K – 300K
		The smallest cryogenic Ge thermistors for temperatures 50K – 150°C and 77K – 150°C, chip size 0.25 x 0.25 x 0.7 mm³, 1 meter leads
		Ge thermistors for temperature ranges of 20K – 300K
		Ge thermistors for temperature ranges of 1K – 300K
		Ge thermistors for temperature range of 1K – 150K with increased interchangeability at low temperatures
		Si thermistors for temperature ranges of 77K – 400K and 20K – 400K
		Si super-wide temperature range thermistors for 30K – 720K
		Si cryogenic thermistors for 1K – 300K, 0.5K – 300K
		Si super-wide temperature range thermistors for 1K – 720K
	Germanium Thermistors for Ultra-Low Temperatures	Ge thermistors for temperature range of 4K – 50mK with increased interchangeability
		Ge thermistors for temperature range of 4K – 1mK with increased interchangeability
		Ge super-wide temperature range thermistors for 300K – 20mK
	Silicon Thermistors for Ultra- Low Temperatures	Si thermistors for 4K – 50mK
		Si thermistors for 4K – 1mK

Cryogenic thermistors can be epoxy encapsulated in a protective stainless steel tubing.

Some thermistors are also available unpackaged as dies with any customized size.

AdSem, Inc. offers development and high volume supply of customized cryogenic thermistors for any operating temperature range between 1mK and 750K.