



OIL AND GAS

Harsh Environment and High-Temperature Components



Founded in the largest oil and gas producing state in America, TTI has specialized in harsh environment, high-temp IP&E components since 1971.

From exploration to production, wireline to MWD/LWD, off-shore, deep-gas and unconventional – one thing is common today and certain for tomorrow – wells are getting deeper, hotter, more complicated and require higher-temp components with increased reliability and accuracy. Our high-temp and HI-REL inventory is broad, deep and 100% authorized by our premier suppliers.



Amphenol



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Harsh Environment and High-Temperature Components

	Product	Description	
200°C	Amphenol	DHR Cylindrical High Temp Micro-D KTK Downhole	Rotatable Power D-Sub High Pressure
	AVX	SMX Stacked MLCC SXP Multi-layer Ceramic THJ Tantalum TWC Tantalum	SMPS SMPS, Molded Radial SMD Conventional Wet Tantalum
	Glenair	Geomarine HiPer-D MWDM Nano Miniature	High Pressure Circular D-Sub Micro-D Circular/Rectangular
	KEMET	ACR/ACA Ceramic ARR/ARA Ceramic HT C0G Multilayer Ceramic HT/HP Ceramic HV Conform Coated Ceramic Pulse Detonation Ceramic T500 MnO2 Tantalum	Axial & Radial C0G Axial & Radial X7R SMD C0G Axial & Radial C0G, X7R Radial C0G, X7R SMD C0G Solid SMD
	Ohmite	1S175-1S270 Film	HS, Ultra Low Profile Pwr
	TE Connectivity	Heat Shrink Tape Heat Shrink Tubing High Performance Microdot Micro-D Nanonics Dualobe	Sealing Tape Fluoroelastomer Tubing Relay High Density High Density Wire-to-board
	TT electronics	GCR Gluable Chip HTC Thick Film Chip PFC HT Divider TaNFilm® PFC-HT TaNFilm® RG1/4 Non-military SML010FBDH06 SML020DH12 W20 Wirewound W22 Wirewound WDBR Thick Film Chip	NM, Wide Range Chip Wide Resistive Range Chip Precision, Low TCR, SMD Precision, Low TCR, SMD Precision Metal Glaze, Axial Rectifier, Power Schottky Rectifier, Power Schottky Viteous Enamel , Axial Viteous Enamel , Axial Ultra Low Profile, Pwr, SMD
	Vishay	134D HI-TMP® 135D NTCLG100 Thermistors TH5 Tantalum TJ3-HT Toroidal Inductor TJ5-HT Toroidal Inductor	Wet Tantalum Wet Tantalum Sensors, Non-Linear Solid SMD Radial Radial
215°C	Vishay	HTRN5 Network & Arrays PHT Thin Film Wraparound PLTT Low TCR Thin Film	Molded, Close TCR Tracking High Precision, SMD Chip Ultra High Precision, SMD
220°C	Vishay	211D Cap Array	Wet Tantalum
	TE Connectivity	Heat Shrink Tubing	Sealing Sleeves
225°C	Ohmite	MOX910-MOX970 Film	Precision Temp Stability
	TE Connectivity	Nanonics Dualobes	High Density
	TT electronics	SML10S1C06YC SML10S1C06YC	Diode, SiC Schottky Diode, SiC Schottky
	Vishay	RNX Metal Oxide	Special Purpose, Axial
230°C	Vishay	CCF-2 Metal Film CPF Metal Film HVX Carbon Film PRAHT Thin Film PZHT Thin Film RJU Metal Oxide RMKHT Thin Film ROX Metal Oxide T11 Single-turn Pot	IND Power, FLP Precision, IND Power, FLP Special Purpose, Metal Alloy High Precision SMD Zero Ohm Jumper, SMD Chip Special Purpose, Tubular Precision, Wirebondable Chip Special Purpose, Low TCR IND Grade Trimming Pot

	Product	Description	
245°C	Vishay	CHPHT Thick Film	Wide Resistive Range, Chip
250°C	Ohmite	BA1160/BA2320/BA3266 WW	HV, Heatsinkable, Alum
	TT electronics	HTCR Thick Film	Wide Resistive Range, Chip
	Vishay	FP/FP - P Metal Film G/GN Miniature Wirewound RH/NH Wirewound RS/NS Wirewound TCTR Thin Film Center-Tap TSFM Thin Film Top-Contact	IND, FLP, Axial IND, Precision, Axial IND Power, Aluminum IND, Precision, Axial Precision, Wirebondable Precision, Wirebondable
260°C	3M	Kapton Tape	Polyimide Film Electrical
	Glenair	Circular/Rectang. Hermetics Duraelectric Well-Master™ 260 Micro-D	Glass to Metal Sealed Cable & Conduit D-Sub (GHTM Series)
	KEMET	TCR/TCA Ceramic TRR/TRA Ceramic VCR Ceramic VRR Ceramic	Axial & Radial C0G Axial & Radial X7R Axial & Radial C0G Axial & Radial X7R
	Panduit	Pan-Ty PEEK Cable Ties	Polyetheretherketone
275°C	Ohmite	20/45M - 85/150M WW	HS, Cold Rolled Steel, Radial
	TT electronics	T180 Wirewound	Semiprecision Pwr, Axial
	Vishay	CA High Volume Wirewound CP Wirewound Metal Oxide CPCx WW, Metal Oxide CPR Wirewound LVR03/LVR05/LVR10 WW SR Wirewound WSC/WSN Wirewound WSLT Power Metal Strip WSR Power Metal Strip	COM Power, Axial COM Power, Axial COM Power, Vertical COM Power, Radial Precision Power, Axial Low Value, Through-hole Precision Power, SMD Low Value, SMD Low Value, SMD
300°C	Vishay	MCR	Metal Case, Silicon
350°C	Ohmite	L12J-L1000J Wirewound	Viteous Enamel, Tubular
	TT electronics	T180 Wirewound	Semiprecision Pwr, Axial
	Vishay	CW Silicon Coated WW G/GN Miniature Wirewound HL/NHL Wirewound HLA Wirewound HLM/NHLM Wirewound HLT Wirewound HLW/NHLW Wirewound HLZ Wirewound RD RS/NS Wirewound	Com Power, Axial IND, Precision Pwr, Axial IND Power, Non-induct Tubular IND Power, Adj Tapped Tubular IND Power, Mini Flat, Tubular IND Power, Tapped Tubular IND Power, Tubular IND Pwr, Edgewound, Tubular Adj Roundwire, Tubular IND, Precision Pwr, Axial
400°C	Ohmite	C35K-C1000K Wirewound	Vitreous Enamel, Tubular
415°C	Vishay	RBEF0300, EDG, RB	Fixed Ribwound, Tubular

Component Legend:

■ Capacitor	■ E-mech
■ Connector	■ Inductor
■ Discrete	■ Resistor



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