Latest Product Lineup





	NTC Thermistor					PTC Thermistor	
Division	Temperature Detection/Compensation					Overheat Protection	Overcurrent Protection
Divi	General	General High Relia- train bility Power Info- train train tra	Power- train tainment	General Power- Info- train tainment	General	General Power- Info- train tainment	General Power-Info- train tainment
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N/A	NCP02 NCP03 NCP15 NCP18	NCU15 NCU18	NCG18	NXF*15	FTN18	PRF03 PRF15 PRF18 PRF21	PRG03 PRG18 PRG21
Overview	0402/0603 /1005/1608 General Purpose	Environmental Resistance Improvement type	Conductive Adhesive Mounting type	Ultra Small Head type	Insulated Package type	0603/1005 /1608/2012 Temp. Detection type	0603/1608 /2012 Resettable Current fuse
Features	Available in sizes and resistance values	Supports applications that require high reliability	Not compatible with soldering	Supports lead lengths of 21 mm to 50 mm	Insulating surface can be directly attached	Control multiple points by connecting in series	Protects the circuit from abnormal current
For general use	[NCP02] $-40 \sim +125 ° C$ $10k \sim 470kΩ$ [NCP03] $-40 \sim +125 ° C$ $10k \sim 120kΩ$ [NCP15] $-40 \sim +125 ° C$ $10k \sim 120kΩ$ [NCP18] $-40 \sim +125 ° C$ $10k \sim 120kΩ$	[NCU15] -40~+125°C 10k~470kΩ [NCU18] -40~+125°C 10k~470kΩ		[NXF15] -40~+125℃ 2.2k~100kΩ L=21 ~50mm	[FTN18] -40~+125℃ 10k~100kΩ	[PRF03] 32V、540Ω Ts=115℃ [PRF15] 32V、1kΩ Ts=95~115℃ [PRF15] 32V、10kΩ Ts=130℃ [PRF18 ±3℃] 32V、470Ω Ts=65~115℃ [PRF21] 32V、470Ω Ts=85~135℃	[PRG03] 15V 20V, Tc=45mA/36 mA [PRG18] 24V, Tc=21~71mA [PRG21] 16V, 20V, Tc=195mA, 91~116mA
For automotive use		[NCU15] -40~+150℃ 10k~470kΩ [NCU18] -40~+150℃ 10k~470kΩ	[NCG18] -40∼+150℃ 10kΩ	[NXF15] -40~+150°C 2.2k~100kΩ L=21 ~50mm 2.2k、3kΩ: ~+125°C		[PRF18] 32V、470Ω Ts=65~115℃ [PRF18 ±3℃] 32V、470Ω Ts=65~115℃	[PRG18] 16V、 Tc=29~71mA [PRG21] 16V, 20V、 Tc=195mA、 102mA
Application	 Mobile digital home appliances Secondary battery, LED Various circuits and electronic components 	●FA equipment, measuring equipment ● In-vehicle equipment such as EV powertrain and	● In-vehicle equipment such as EV powertrain and ADAS	 White goods, healthcare equipment BMS for EV, motor 	Wearable equipment, electronic cigarettes Inverter	 Notebook PC, tablet PC LED TV EV, BMS, LED lights 	servo motors, PLC • Proximity / photoelectric sensor