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DEMINT

Electronics Co., Ltd.

General Information

Current Sense

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► General Information

Applications of Current Detecting Components

DeMint's TCS and CS Series unique form factor provides automotive designers with several advantages. Both TCS and CS Series are ideal for applications involving window lift motors, fuel pump systems, seat belt pretensioners, and pulsewidth modulator feedback.

The wider resistive element and lower resistance enables higher current to pass through the device. DeMint's LRC ultra low ohmic metal strip chip series provides the inherent ability to flex slightly and offers stress relief during extreme temperature cycling on typical or metal substrates. This LRC series is suitable for switch power supply applications (DC-DC Converter, Charger, Adaptor) and power management of monitor.

The open air design of bare element resistor LRA and LRB Series provide a far cooler operation by allowing more air flow under the resistive element to keep excess heat from being transmitted to the PC board. They are suitable for high power AC/DC detection of power supply circuit.

DeMint axial moulded BWL series provides power rating up to 10 watts and lower resistance 0.005Ω, is ideal for all types of current sensing applications including switching and linear power supplies, instruments and power amplifiers..

Your Current Options - DeMint Current Sense

As the world becomes more and more technology-driven, the uses for current sensing components will continue to increase. The need for even lower resistance value ranges is already becoming evident, as is the need for these resistors to handle more power. The industry-wide trend is the emergence of smaller and smaller products.

DeMint Electronics offers a wide variety of current sensing products from the industry to military standards, such as current sense in Thin-Film / Thick-Film Technology, Bare Element Resistors, and Open Air Shunts. This enables DeMint to present an astounding number of possible solutions for any circuit design needs.

Cross reference - Current-Sensing Chips

DeMint	Yageo	Vishay	Rohm	KOA	Cyntec	TT/IRC	Susumu	Features
CS	RL/PT	D..LR/ CRCW,RCWE	UCR	SR73/ UR73	RLT	LRC, LRF, LVC	RLT	Thick Film
LRC, LRP, LRM, LRE, LREA, CSM	PR/PE	WSL/WSLP	PMR/PML	TLR	RLT	ULR, LVC	KRL, RL	Metal Alloy
CS02	PT0402	RCWE0402	UCR01	SR731E	RLT0510	LVC0402	RLT0510	Thick Film
CSM, LRE, LREA	PE0603	WSL0603	PMR03	-	RL0816	-	-	Metal Foil
CSM, LRE, LREA	PE0805	WSL0805	PMR10	-	RL1220	-	-	Metal Foil
CSM, LRE, LREA	PE4527	WSR2/3/5	-	SL2/ SLN2	-	-	-	Metal Alloy