



LPS – Low Cost Precision Shunt

(Preliminary Specifications and Design)

This is a precision metal clad resistor designed with four terminals. These models exhibit a high load capacity as well as excellent accuracy. The isolated voltage and current connections make them suitable for very precise current measurements. Direct attachment to current bus and connection to voltage using flexible wires enables easy current measurement. These components have low inductance and heavy copper terminals. The main applications for these parts are: Battery manufacturing test jigs, current detection in precise power sources, industrial power conversion circuits, HEVs, fuel cells and constant electronic loads.



■ GENERAL SPECIFICATIONS

Model	Rated Current	Rated Voltage	Resistance	Tolerance
LPS 60F	200A	50mV	0.25mΩ	D [±0.5]
	225A		0.2222mΩ	
	250A		0.2mΩ	F [±1.0%]
LPS 70F	300A		0.1666mΩ	

■ CHARACTERISTICS

Temperature range		-25°C ~ +70°C
Dielectric Withstanding Voltage		AC 500V for 1minute
Stability	[±0.1%]	Battery testing time, 40minutes

■ DIMENSION [mm]

