



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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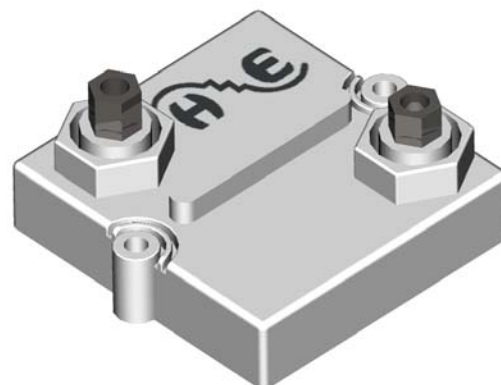
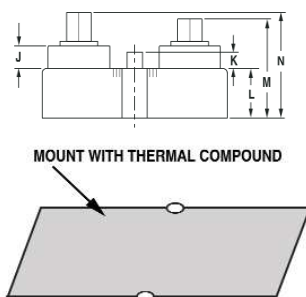
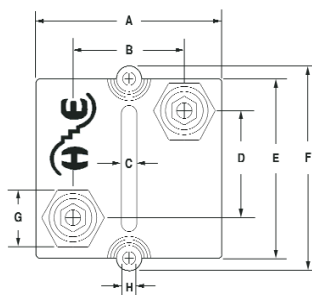


HPK600

MEDIUM VOLTAGE CHASSIS MOUNT RESISTORS

600 WATTS

Huntington Electric's **HPK600 Series** of power resistors are state-of-the-art 600 Watt resistors that are compact and available in various resistance values. Ideal for variable speed drives, power supplies, robotics, and elevator controls or where an application requires advanced packaging in a high dissipation case. Designed to dissipate **600 Watts** into panel mounts via a condensed footprint at voltages up to **5000 VDC**.



POWER RATING is based on 600 W at 85 °C heat sink temperature. Use of thermal conduction to heat sink is required. Flatness of cooling plate must be better than 0.05 mm overall, and the roughness should not exceed 6.4 μ m.

DIMENSION INFORMATION

A	B	C	D	E	F	G	H	J	K	L	M	N
±.03 (0.8)	±.008 (0.2)	±.02 (0.5)	±.008 (0.2)	±.008 (0.2)	±.03 (0.8)	±.02 (0.5)	±.005 (0.1)	±.02 (0.5)	±.02 (0.5)	±.02 (0.5)	±.02 (0.5)	±.02 (0.5)
2.362 (60.0)	1.417 (36.0)	0.197 (5.0)	1.339 (34.0)	2.244 (57.0)	2.560 (65.0)	0.709 (18.0)	0.164 (4.2)	0.276 (7.0)	0.197 (5.0)	0.591 (15)	1.181 (30.0)	1.260 (32.0)

ORDER INFORMATION

HPK600 - K - 100R

TYPE

TOLERANCE
K = 10%, J = 5%RESISTANCE
100R = 100 OHMS

STANDARD RESISTANCES

2	3	4	5
10	50	75	100
500	1000	5000	10000

ENGINEERING SPECIFICATIONS

Operating Temperature	-55 C to 150 C
Temp. Coefficient	± 150 PPM/°C
Power Rating	600 Watts at 85 °C heat sink
Electric Strength Voltage	6 KVAC, 50 HZ
Insulation Resistance	10 G Ω min @ 500 V
Max Working Voltage	5000 VDC
Short Time Overload	1000 W @ 70 C for 10 sec
Voltage Impulse	12 KV BIL
Capacitance/Mass	110 pF
Parallel Capacitance	40 pF
Inductance	80 nH
Max Mounting Torque	1.8 Nm
Max Terminal Torque	2 Nm
Creeping Distance	42 mm Minimum
Air Distance	14 mm Minimum

GENERAL CHARACTERISTICS

RESISTOR: Unique designed for low inductance and capacitance values. Stable element covering high wattages and pulsed loadings.

CASE MATERIAL: Epoxy filled UL94-V0 with large creep distance to mass.

TERMINALS: Convenient electrical connection with M4 or M5 screws.

DIMENSIONS: 2.24" X 2.55" (56.9 X 64.8 mm)