

# HPR2000

## THICK-FILM PLANAR, ULTRA HIGH POWER RESISTOR SERIES

### Characteristics



#### Features

- Non-Inductive design
- Ultra-high power density
- Highest Performance
- Materials in accordance with UL 94 V-0
- RoHS, REACH compliant



#### Applications

- Variable speed drives
- Power supplies
- Control devices
- Motor Control
- Robotics

### Description

TELPOD's HPR original series offers 2000 watts of power dissipation when properly heatsinked. The design of the HPR series creates a constant pressure to the cooling plate of approximately 300 N for proper thermal flow. The HPR2000 is ideal for variable speed drives, power supplies, control devices, robotics, motor control and other power designs.

### Technical parameters

	HPR-2000
Resistance range	1 Ω ... 100 kΩ
Resistance tolerance	±10%, 5%, 1%
Rated power P <sub>N</sub>	2000W
Impulse overload	3000W @ 10s
Dielectric strenght	> 5kV
Temperature coefficient of resistance	0 ±100 ppm/°C
Working temperature range	-55°C ... +170°C
Inductance	80nH
Capacity	110pF
Thermal resistance	0,10°C/W
Internal temperature sensor (optional)	PT100/1000, AD22105, (others on request)
Mounting - torque for electrical contacts M5	1,5...1,7Nm
Mounting - torque for assembly M4	1,3...1,6Nm

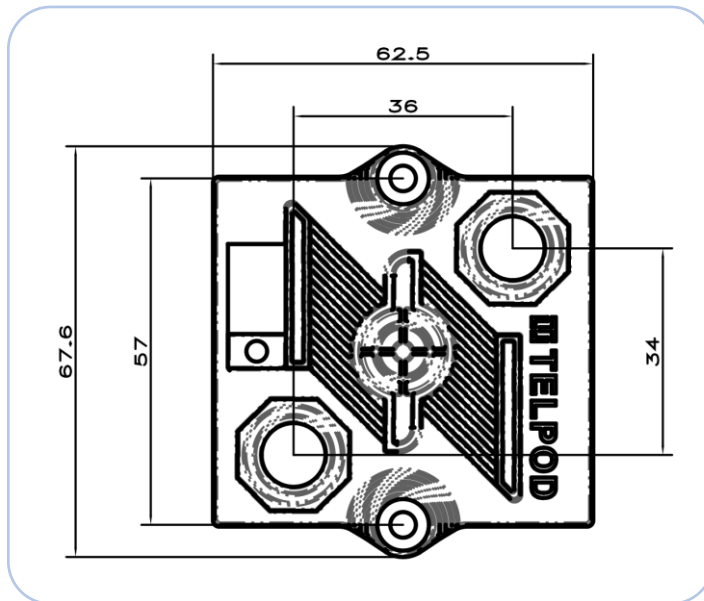
For more information, please contact the technical department.

# HPR2000

## THICK-FILM PLANAR, ULTRA HIGH POWER RESISTOR SERIES

### Dimensions and materials

*Dimensions in [mm]*



### Ordering informations

optional			
Series	Internal temperature sensor	Resistance	Tolerance
HPR-2000	without (standard)		K = ±10 % (standard) J = ±5%, F = ±1%
	Z – PT100	1Ω,...,100kΩ	
	X – PT1000	xRx < 10Ω < xxR < 1kΩ xKx < 10kΩ	
	I – AD22105	xxK	

Example: HPR2000 X 20R K

**TELPOD S.A.**  
 Pilsudskiego 63A  
 32-050 Skawina  
[www.telpod.eu](http://www.telpod.eu)

**Sales Department**  
 Tel.: +48 (0)12 257 10 35  
 Fax: +48 (0)12 257 10 13  
[order@telpod.pl](mailto:order@telpod.pl)

**Technical Division**  
 Tel.: +48 (0)12 257 10 12  
[thickfilm@telpod.pl](mailto:thickfilm@telpod.pl)

