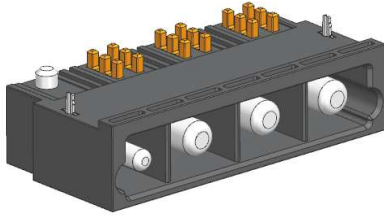


HFLPR13 plug series

POWER CONNECTOR



Features

- The socket contact uses red copper with coiled spring structure, integrating high current-carrying capacity and spring elasticity for greatly improved current rating
- Features reliable connection, smooth mating, low contact resistance and high current density.
- Suitable for charging piles, UPS, power supplies and control signals
- Mating With:
HFLPR13-ZS04VY Power connector socket

RoHS compliant

ELECTRICAL DATA

Rated Voltage	1000V
Rated current	150A
Voltage Proof	3000VAC
Contact Resistance	≤0.4mΩ
Insulation Resistance	≥3000MΩ

Notes: 1) The data shown above are initial values.

STORAGE REQUIREMENT

Environment temperature	-10°C to +40°C
Humidity	80% Max
Ambient gas	No acidity, No alkalescence and other corrosive gas
Stockpile period	Doesn't exceed one year from production date

Notes: 1) The data shown above are initial values.

CHARACTERISTICS

Temperature Range	-40°C to 125°C
Salt Mist	48h
Damp heat, cyclic	25°C to 55°C, Relative humidity ≥95%RH, 6 cycles ⁽³⁾
Temperature life	168 hours at 125±2°C ⁽³⁾
Thermal Shock	-40°C(30 min), +125°C(30 min), 5 times ⁽³⁾
Mechanical Shock	Acceleration of 30m/s ² , half sine wave, lasting 11ms, ±X, ±Y, ±Z direction 3 times each, the current instantaneous break time is less than 1μs
Vibration	Frequency 10Hz ~ 55Hz ~ 10Hz, AM 0.75mm, each vertical direction lasts for 2h, the current instantaneous break time is less than 1μs
Protection Grade	IP20
Quality	Approx.95.4g
Marking Mode	Laser etching
Durability	500 Times Min
Termination	PCB

Notes: 1) The data shown above are initial values.

2) The parts should not be damaged, and the contact resistance should meet the requirements of electrical performance parameters.

3) No physical damage, electrical and mechanical properties meet sequential testing.

ORDERING INFORMATION

	HFLPR13	-T	P	04	R	B
Type						
Type of Connector	T: Plug					
Type of Contact	P: Male					
No.of Power Contact	04: 4 Power Contacts					
Structural Form	R: Right angle					
Power pin wiring method	B: Welding					



HONGFA POWER CONNECTOR SOCKET

2026 Rev. 1.00

Unit: mm

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