DC Power Jack With Switch



Features
- Metal solder tabs for secure connection
- PCB mount
- All-in-one Design

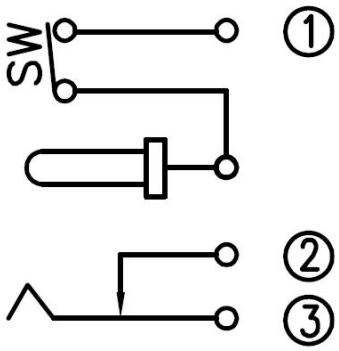
Characteristics
- High Power Rating、High Dielectric Strength

Weblinks
Dimension Drawing、Detailed request for product

Technical Data

Contact Rating	7A/20VDC
Intial Contact Resistance	30mΩ(MAX)500VDC
Dielectric Strength	500VAC/0.5mA 1MINUTE
Allowable Operation Temperature	-40°C~+80°C
Electrical Life	5000 Cycles min
Material: Housing	PC,UL 94V-0,Black

Electrical Schematic



Description

This product is a high-power PCB-mount DC power jack integrating a rocker switch. It delivers a robust current rating of 7A/20VDC and features an exceptionally low contact resistance of 30mΩ (max), effectively minimizing power loss and suppressing temperature rise. With a dielectric strength of 500VAC, the product ensures reliable electrical insulation and safety. Furthermore, it maintains stable performance across a wide operating temperature range from -40°C to +80°C, guaranteeing a minimum mechanical/electrical lifespan of 5,000 switching cycles. The compact integrated housing design optimizes space utilization, making it an ideal solution for integrated power management in instrumentation, security surveillance, and telecommunications equipment.

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	UL 61058-1	Switches for appliances – Part 1: General requirements
JEITA EIAJ	Designed according to	JEITA/EIAJ RC-5320A	Plugs and Jacks for coupling an external low voltage power supply (Unified polarity Type)

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
IEC	Suitable for	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part1: Safety requirements

Compliances

The product complies with following Guide Lines

Organization	Details	Initiator	Description
RoHS	RoHS	CHY-TECH	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
REACH	REACH	CHY-TECH	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as"REACH") entered into force.