EM1067S Series

• 48~65W Max.

GaN Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- LED Indicator (optional)
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EM1067S X R - vv PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1067SAR	48W	12~15V	0A	4A	± 5%	± 1%	180mV
EM1067SBR	48W	19~24V	0A	2.52A	± 5%	± 1%	240mV
EM1067SCR	48W	28~36V	0A	1.71A	± 5%	± 1%	360mV
EM1067SDR	48W	48~56V	0A	1A	± 5%	± 1%	560mV
EM1067SER	60W	12~15V	0A	5A	± 5%	± 1%	180mV
EM1067SFR	60W	19~24V	0A	3.15A	± 5%	± 1%	240mV
EM1067SGR	60W	28~36V	0A	2.14A	± 5%	± 1%	360mV
EM1067SHR	60W	48~56V	0A	1.25A	± 5%	± 1%	560mV
EM1067SJR	65W	19~24V	0A	3.42A	± 5%	± 1%	240mV
EM1067SKR	65W	28~36V	0A	2.32A	± 5%	± 1%	360mV
EM1067SLR	65W	48~56V	0A	1.35A	± 5%	± 1%	560mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2A to 1A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

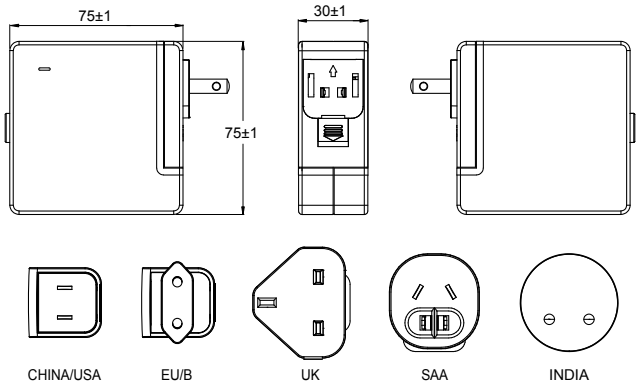
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 75L x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  B: Korea, I: India
- Weight: 300g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Above safety certificates are for reference only. Please contact our sales department for more details.