GSACM-MINI

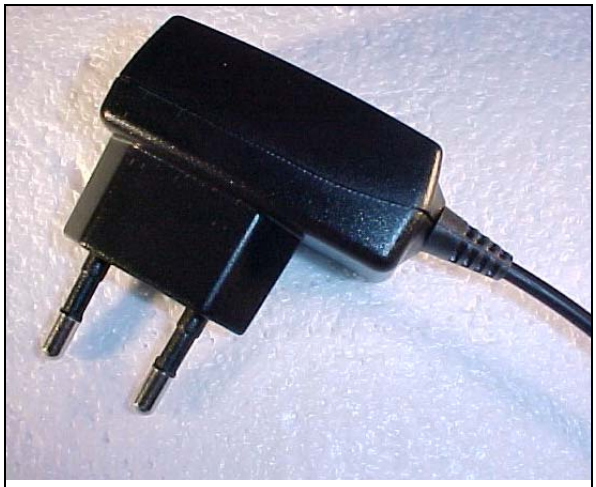
SWITCH MODE TRAVEL CHARGER

PRELIMINARY

FEATURES

- WIDE RANGE INPUT VOLTAGE
- SINGLE OUTPUT MAX 4W
- DESIGNED FOR ON LINE CHARGING OF MOBILE PHONES
- EMC COMPLIANCE ETS300-342-1
- SAFETY APPROVAL ACCORDING TO EN60950, CSA/UL1950
- OUTPUT CURRENT AND VOLTAGE LEVELS ACCORDING TO CUSTOMER REQUIREMENTS
- OUTPUT VOLTAGE PRECISION ±5%
- OUTPUT CURRENT PRECISION ±10%
- OUTPUT RIPPLE VOLTAGE <100 mVpp
- INPUT FUSE PROTECTION
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD TERMINATED WITH ANY CUSTOM CONNECTOR
- AVAILABLE WITH A VARIETY OF AC PLUGS: AC PLUG SELECTION INCLUDES EUROPE, UK, US, AUSTRALIA, CHINA
- LOW STAND BY POWER
- CE MARKED. UL, AUSTRALIA, UK, SOUTH AFRICA AND CHINA MARKING UPON REQUEST

Plug Type	Generic Part Number
EURO	GSACM-STM/1
UK	GSACM-STM/2
USA	GSACM-STM/3
AUSTRALIA	GSACM-STM/4
CHINA	GSACM-STM/5



EURO PLUG

DESCRIPTION

The Charger has been designed for changing NiMH, NiCd and Li-Ion batteries in GPRS hand held mobile phones.

IT is a very low cost high efficiency AC/DC switching mode constant voltage & current generator.

The output voltage and current levels are set up by design in accordance with customer requirements.

Typical reference values in this data sheet are 5V, 700 mA with the input ranging (90÷264 V_{rms}).

Coming into its light housing, the charger can be assembled with a variety of AC plugs identified by specific ordering numbers.

Interface to the phone is ensured via a 2 wires cord with strain relief, terminated with customer specified connector.

Typical weight is 25 grams only, without cable.

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ELECTRICAL CHARACTERISTICS (T_{amb}=25°C, unless otherwise specified.) GSACM-STM

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V_i	Input Voltage		90		264	V_{rms}
V_o	Output Voltage limit	$0 < I_o < 700$ mA	4.75	5.0	5.25	V
I_o	Output Current limit	$V_o = V_o$ nom.	700		850	mA
V_{or}	Output Ripple	I_o=700 mA			100	mVpp
W_{io}	Input Power	no load condition			0.3	W
V_{is}	Isolation Voltage	Input to Output, t=60s (EN60950)	3000			V_{rms}
T_{op}	Operating Ambient Temperature		-5		55	°C
T_{stg}	Storage Temperature Range		-40		70	°C
n	efficiency			75%		

AGENCY APPROVALS

The charger is certified by competent agencies to comply with most popular safety and EMC requirements, including:

EN60950

ETS300-342-1

It is marked CE, other marking including UL, AUSTRALIA, UK, SOUTH AFRICA and CHINA are available upon request and agreement.

MECHANICAL DATA EURO plug version (dimensions in mm)