

# STEDC2010 Universal RF Filtered Module



**PASS 20 LINES OF WHATEVER YOU HAVE, -90DB DOWN!**

- ✓ 20 separate filtered lines, brought out to easy EuroBlock style plug-in connectors
- ✓ Perfect for multiple DC power feeds, feedback circuits, audio & video circuits, RS232 data circuits, switching and control circuits
- ✓ Greater than 90 dB RF isolation on each of the 20 lines
- ✓ Keyed removable plugs for easy user configuration prior to connection, and for easy removal of all connections
- ✓ Standard Ramsey I/O accessory flange mounting. Matches our certified IEC AC power interface form factor
- ✓ Rugged milled aluminum construction for optimal shielding and RF isolation

## UNIVERSAL THROUGHPUTS, -90dB DOWN!

Our new STEDC2010 Universal RF filtered module was designed at the request of our OEM customers who simply had to throughput various DC power sources, feedback circuits, various audio paths, and switching circuits into their enclosures. We quickly realized there was no standard hardware or application configuration. Quite literally, they just needed a “bunch of feedthroughs” but at a very high RF isolation level.

## 20 RF FILTERED LINES TO SUIT YOUR APPLICATION!

Because of the varied connection requirements of every customer, the interface was designed to provide 20 highly RF filtered lines in a universal connection format. Two 10-pin plug-in Euroblock socket connectors on each side provide simple connections to meet your custom application. Typical applications include:

- Low voltage DC
- Low voltage AC
- Feedback & sense circuits
- Diagnostic metering
- RS232/RS422 type data
- Audio circuits
- SD video circuits
- Switching circuits
- Alarm reporting circuits
- I2C data circuits

## SIMPLE CONNECTIONS!

By default, the Euroblock mating plugs are keyed to prohibit insertion into the wrong Euroblock socket. We also provide a key kit so that you can customize keying to any specific requirements for multiple enclosure environments to prevent inadvertent interchangeability. Mounting of the module is simple and identical to our certified IEC AC power module, utilizing the Ramsey standard 3.75”W x 1.5”H I/O accessory flang mount opening.

## THE RF ISOLATION LEADER!

With thousands of RF Shielded Test Enclosures placed in service worldwide, our RF isolation technologies have become the global standard not only for RF isolated chambers, but for the best matching I/O interfaces available. From 10GbE Ethernet to 4K HDMI video, our interfaces will keep you RF isolated well into the future!

TECHNICAL	SPECIFICATIONS
Product Part Number:	STEDC2010
UPC	871183005287
Outside Dimensions:	4.75”W x 2.48”H x 3.36”D (120.65mmW x 63mmH x 83.34mmD)
Weight:	1.6 lbs (.73kg)
Construction:	6061 solid milled aluminum, with class-III iridite
Mounting:	Standard Ramsey I/O accessory flange mount, 3.75”W x 1.5”H (95.25mmW x 38.1mmH)
Operating Temperature:	-55°C to +105°C
External I/O Connectors:	2ea Euro 10 position plug receptacles with matching Euro plugs
Internal I/O Connectors:	2ea Euro 10 position plug receptacles with matching Euro plugs
Connector Keying:	Factory keyed for improper insertion, field changeable
Maximum Power Rating:	100VDC, 10A (48VAC, 10A) per line, per regulatory guidelines
Passband Frequency:	DC to 8MHz
RF Insertion Loss:	>90 dB 1GHz to 3 GHz >95 dB 3 GHz to 10 GHz
Availability:	In-stock for immediate delivery
Available Versions:	STE RF Test Enclosure installed standard or optional I/O, Individual stand-alone accessory for customer installation OEM bulk (Contact Ramsey Electronics®)

Note: Specifications are typically achieved and certified final test measurement values. Subject to change and revisions. Not responsible for typographical errors and omissions.



HDMI 4K Video



10GbE PoE Ethernet



Gigabit PoE Ethernet



USB2.0 High Speed



Global Power Interface



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