

# FURUTECH

PURE TRANSMISSION



NCF<sup>®</sup>



## *e-TP809E NCF AC Power Distributor*

*Features Axial Locking System [USA Patent No.7,648,391 / JP Patent No. 4616208] and EMI-Absorbing Formula GC-303*

ADVANCED MATERIALS AND TECHNOLOGIES ENSURES STABLE QUIET POWER FOR YOUR ENTIRE SYSTEM

Nano Crystal<sup>2</sup> Formula (NCF).

Incorporated into selected Furutech products, NCF features a special crystalline material that has two 'active' properties. First, it generates negative ions that eliminate static. Second, it converts thermal energy into far infrared. Furutech combines this remarkable material with nano-sized ceramic particles and carbon powder for their additional 'piezoelectric effect' damping properties. The resulting Nano Crystal<sup>2</sup> Formula is the ultimate electrical and mechanical damping material. Created by Furutech, it is found exclusively in Furutech products.

Furutech Co., Ltd., manufacturer of ultra-refined analog, digital, video cable and accessories, announces the e-TP809E NCF AC Power Distributor that joins their full line of power distribution and filtering products.

The e-TP809E NCF is a sophisticated, luxuriously made power distributor of almost unbelievable quality that eliminates many problems caused by poor connections, contact resistance, EMI, RFI, and lack of resonance control.

All enthusiasts are looking for the same qualities: Verisimilitude to the original event, a sense of engagement promoting suspension of disbelief, an immersion in audio and video experience. To engage without effort requires meticulous preparation of the entire playback chain especially including the AC power.

### ***It's All About the Sockets***

Central to the e-TP809E NCF's success at controlling resonances are the extreme high performance Furutech FT-SDS NCF Pure Transmission schuko sockets. The sockets manifest a devotion to best performance in every element of AC and signal transfer. Of course, everyone would love to make pure-copper receptacles, but its malleability – lack of stiffness – makes pure copper a poor choice. That's why you'll find phosphor bronze or brass in most receptacles. Furutech's intense engineering scrutiny has resulted in an industry-first, a technique allowing us to use special Furutech  $\alpha$  (Alpha) Pure Copper Nonmagnetic Rhodium plated main conductors. But what really sets FT-SDS NCF sockets apart is "NCF" – Furutech's ultimate damping material - Nano Crystal<sup>2</sup> Formula eliminates static, "interconverts" thermal, mechanical and electrical energy and damps vibrations. The FT-SDS NCF can be summed up in a word; virtuoso!

With a further eye to resonance control and tight, secure connections—illustrated below—the e-TP809E NCF is equipped with patented Axial Locking Screws. They're hand-torqued at the factory and measurably reduces receptacle resonance by a factor of ten!

As illustrated below, the e-TP809E NCF is wired with Furutech  $\alpha$  (Alpha)-22 conductors ensuring very low electrical resistance, and the star-wired conductors are sheathed within resonance-absorbing tubing. There's also a layer of Formula GC-303 bonded to bottom plate that effectively shields against EMI (Electro Magnetic Interference).

Naturally the chassis is made of the highest-grade aluminum to effectively shield against RFI (Radio Frequency Interference). Befitting a unit of such style and effectiveness, it's equipped with a beautifully-crafted aluminum top plate dressed in an elegant carbon fiber finish.

### ***Features:***

- All conductors treated with Furutech's  $\alpha$  (Alpha) Cryogenic and Demagnetizing Process
- $\alpha$  (Alpha) Pure copper Nonmagnetic Rhodium plated main conductors - FT-SDS NCF(R) Pure Transmission Schuko Sockets featuring "NCF": a special anti-resonance nano-sized crystalline, piezo ceramic particles and carbon damping material.  
Cover material: Polycarbonate "NCF" with a special anti-resonance nano-sized crystalline, piezo ceramic particles and carbon damping material
- FI-09 NCF(R) Rhodium-plated  $\alpha$  (Alpha) pure copper IEC Inlet. Body material: Nylon/fiberglass "NCF" with a special anti-resonance nano-sized crystalline, piezo ceramic particles and carbon damping material.
- Furutech's Axial Locking System [***USA Patent No.7,648,391 / JP Patent No. 4616208***] lowers receptacle resonance by a factor of 10
- Beautifully-crafted carbon fiber finished aluminum finished cover plate.

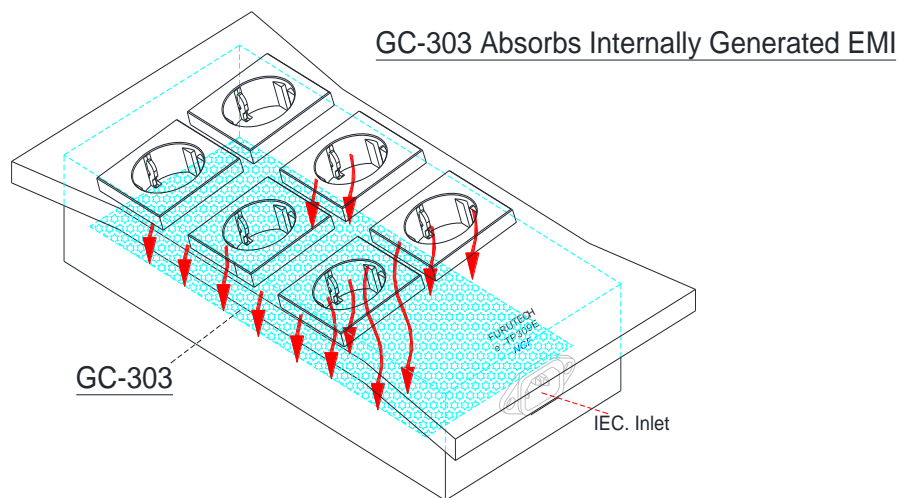
- Beautifully-crafted highest-grade aluminum chassis effectively shields against RFI (Radio Frequency Interference)
- A layer of Formula GC-303 bonded to the bottom plate effectively shields against EMI (Electro Magnetic Interference)
- Star-wired conductors using Furutech  $\alpha$  (Alpha)-22, 3.8 sq. mm (12 AWG up) for low electrical resistance, conductors insulated within resonance-absorbing tubing
- Dimensions: 329(L) X 140(W) X 59.5(H) mm  $\pm$  1mm Approx. (without feet)
- Net Weigh: 3.45kgs Approx.
- Rating: 10A 250V AC

### ***Furutech's Award-Winning Pure Transmission Build Quality***

Many A/V enthusiasts go to great lengths to carefully set up major system components, but pay little attention to the source, the AC power. Meticulous build quality is a large part of the engineering equation. Furutech Pure Transmission technology turns a macro lens on every element of power and signal transfer applying optimized engineering solutions to well-known problems such as contact resistance, EMI and RFI rejection, grounding, and using the best materials and processes available.

### ***Formula GC-303***

GC-303 is a special material Furutech bonds to the interior bottom-plate of the chassis. (See illustration below) that absorbs EMI (Electromagnetic Interference) generated by the internal fittings of the unit.



### ***Internal Layout***

Star Wired Hot and Neutral line; With Resonance Damping Tubes Isolating the Conductors.



**Furutech's Patent-Pending Axial Locking System [USA Patent No.7,648,391 / JP Patent No. 4616208]**  
 Furutech designed a special locking screw that anchors each schuko socket preventing oscillation and enhancing long-term stability. Each Axial Lock is torqued to perfection at the factory.



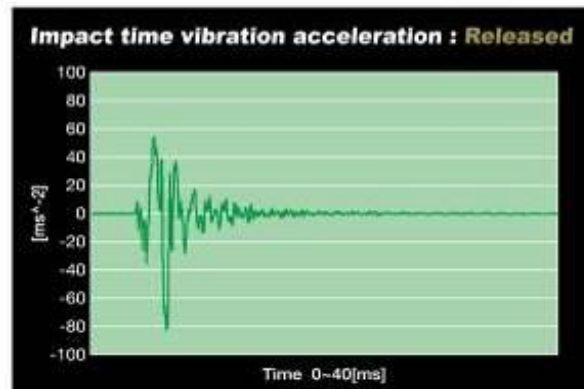
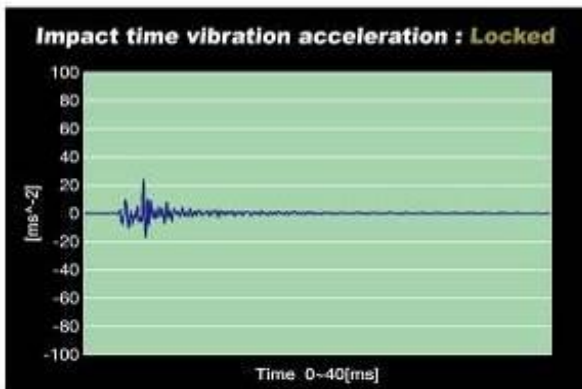
**Locked**

**Axial Locking System**



**Unlocked**

**Without the Axial Locking System**



**Axial Locks Reduces Noise, Oscillation And Vibration By Nearly A Factor of Ten!**

**Make A More Powerful Connection with Furutech!**

FURUTECH CO., LTD • [service@furutech.com](mailto:service@furutech.com) • [www.furutech.com](http://www.furutech.com)

Product name	Product Introduction	JAN CODE
e-TP809E NCF	Top-of-the-Line Power Distributor	