



## THE PREMIER SOURCE FOR APPLICATION SPECIFIC MULTILAYER CAPACITORS



NOVACAP is part of the Ceramic Products Group (CPG) within Dover Corporation. This recently formed group includes three other specialty capacitor companies; Syfer Technology located in the UK, Dielectric Laboratories located in New York and Voltronics located in New Jersey. The combined offerings of these companies provide the broadest range of application specific capacitors available in the world. With manufacturing facilities in America, Mexico and Europe, CPG is the recognized premier source for specialty capacitor products and is globally situated to provide quick support and service to our customers.

**NOVACAP** operates from a modern manufacturing facility located in Valencia California and a new manufacturing facility in Guaymas Mexico. Products include surface mount capacitors from 0402 to larger high voltage units (up to 10kV) for commercial or high reliability. Specialties include: Capacitor Arrays, Radial Leaded Capacitors. Pulsed Power Capacitors for detonation circuitry, oil exploration circuitry, photo flash, laser, power interruption and power storage modules. Certified Safety (Y<sup>2</sup>,Y<sup>3</sup>) and Ring Detect Capacitors for Telecom. High Temperature including X8R for harsh environments such as oil exploration and Automotive/Avionics engine compartment circuitry. Thin Profile for smart cards. Surge Protection and High Voltage designed for commercial / industrial / military use to 10 KV, with application in power supply and voltage multiplier circuits. Stacked Capacitor Assemblies for input and output filters in switch mode power supplies, high capacitance discharge circuits, and high temperature filtering/decoupling. High Reliability capacitors for use in medical implantable and life support systems. NOVACAP will manufacture custom product to customer SCD. Please consult the factory with your particular requirements.

### NOVACAP QUALITY POLICY

Quality at NOVACAP is conformance to requirements in all our dealings with: Our Customers - Our Vendors - The Environment. The system for quality is prevention of defects, and to attain continuous improvements in every activity. Every employee is committed to doing the job right, the first time. NOVACAP maintains an ongoing training program for all of its employees, to create quality awareness, develop communication skills and provide formal capacitor processing education. The primary focus of the training program is on revision controlled procedures and work instructions to assure conformance to our customer's requirements.

### TECHNICAL INFORMATION

NOVACAP provides Applications Notes in this catalog as a user's guide to chip selection and attachment methods. For more details on MLC products, please refer to the NOVACAP Technical Brochure, available on the NOVACAP website. The Technical Brochure describes capacitor applications, the nature of capacitance, dielectric properties and behavior, classes of dielectrics, ferroelectric behavior, electrical properties, test standards, high reliability testing, visual criteria and detailed user guidelines. Please do not hesitate to contact the factory for any product or technical assistance.

### NOVACAP'S "GREEN" POLICY

It is Novacap's policy to comply with the global environmental directives pertaining to the use of hazardous materials in manufacturing. Novacap can supply products meeting RoHS standards. See our catalog for details.

### IMPORTANT NOTICE

NOVACAP reserves the right to make changes in product designs and/or pricing. Sales are subject to NOVACAP's terms and conditions.

## WARRANTY

NOVACAP warrants that its product(s) will be free from defects in workmanship or materials at the time of delivery, subject to the provisions of this Limited Warranty. Any claims by Buyer that any product fails to conform to this warranty must be made within ninety (90) days after delivery of such product and shall describe the alleged non-conformity. Buyer shall retain allegedly non-conforming product for inspection by an authorized representative of NOVACAP or, if requested by NOVACAP, shall return such products to NOVACAP promptly upon receiving NOVACAP's written return authorization and instructions.

If product(s) are found by NOVACAP not to conform to this warranty, NOVACAP's entire liability and Buyer's exclusive remedy whether in contract, tort or otherwise, for any claim related to or arising out of breach of the warranty covering products shall be correction of defects by repair, replacement, or credit, at NOVACAP's discretion. Refurbished product may be used to repair or replace the product. Buyer shall have no claim to product which was replaced. NOVACAP assumes no liability with respect to (a) defects caused by modification, repair, installation, operation or maintenance; (b) damage not caused by NOVACAP; or, (c) negligent or other improper use of the product. No agent, distributor, or representative is authorized to make any warranties on behalf of NOVACAP or to assume for NOVACAP any other liability in connection with any product.

WITH RESPECT TO ALL PURCHASES OF PRODUCT BY BUYER FROM NOVACAP, THE ABOVE WARRANTY IS THE ONLY WARRANTY MADE BY NOVACAP TO BUYER AND REPLACES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL OTHER OBLIGATIONS OF NOVACAP, INCLUDING ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE SPECIFICALLY DISCLAIMED AND EXCLUDED BY NOVACAP.

This sets forth the Buyer's sole remedy in connection with any warranty matter.

## LIMITATION OF LIABILITY

NOVACAP shall not in any event be liable, whether as a result of breach of contract, warranty, tort (including negligence) or other grounds, for incidental, special, or consequential damages, including but not limited to loss of profits, loss of use of product or associated goods, cost of capital, cost of substitute products, or claims of buyer's customers. NOVACAP's liability for any claim for loss or damage arising out of this contract or from the performance or breach thereof or connected to any product supplied hereunder, whether based upon contract, warranty, tort (including negligence) or other grounds, shall not exceed the price allocable to such product or part thereof included in the claim, regardless of cause or fault.

## WEBSITE

The NOVACAP Website outlines the product offerings in catalog format. These catalogs are updated on a routine basis, and presented in pdf format for easy viewing and downloading. All capacitance values are shown as maximum values. Please refer to the Webpage for the most up to date information related to this catalog.

## CERTIFICATIONS AND APPROVALS

NOVACAP is certified to ISO 9001:2000, Certificate #FM75371.

10 DSCC approvals for radial leaded high voltage capacitors rated 1KV through 10KV. (87043, 87046, 87040, 87047, 87114, 87076, 89044, 87070, 87077, and 87081)

DSCC approval for 87106 stacked leaded switch mode power supply capacitors.

UL, TUV and CSA approvals for Isolation Surge Protection Capacitors, Class Y2 and Y3 in both COG and X7R dielectrics.



ISO 9001:2000  
FM 75371



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