

NEW HIGH T_g LAMINATE SUITABLE FOR LEAD-FREE PROCESSING

Park Electrochemical have announced the introduction of Nelco's N4000-29.

N4000-29 is a high T_g, CAF resistant FR4 product for lead-free applications or any application where a high level of thermal robustness is required.

N4000-29 also has a high T_d, high T₂₆₀, which make it ideal for lead-free soldering applications. It also has superior Interconnect Stress Testing (IST) performance. It is RoHS compliant and is UL approved to UL 94V-0, These qualities, along with adherence to IPC's proposed IPC-4101/99 lead-free spec sheet, make N4000-29 a very suitable choice for high reliability applications.

N4000-29 has the following key features:



- ★ T_g > 180°C
- ★ T_d 350°C
- ★ T₂₆₀ >60 mins
- ★ Low z-axis expansion
- ★ CAF Resistant
- ★ Improved Thermal Stability
- ★ Low Moisture Absorption



HEAVY FOIL FOR HIGH-POWER APPLICATIONS - JTC 400

JTC400 from Gould Electronics is a 400 µm thick copper foil with electrolytically enhanced adhesion treatment. JTC400 enables the realization of circuitries with large cross sections on a small area making it ideal for high power automotive applications.

Gould is the first company to optimize its production technology for such a foil.

FEATURES OF JTC 400

Thermal properties meet high power demands of automotive applications.

Superior adhesion to substrate during thermal and mechanical stresses.

Shiny-side properties identical to those of thin copper foil.

Controlled physical parameters limit bowing and twisting.

Fine and uniform grain structure.

Excellent etching characteristics

FOILS FROM 140 µm TO 350µm ARE ALSO AVAILABLE

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NEWSLETTER

LAMAR

NEW DRILL DESIGN PROMISES COST REDUCTIONS

HP-Tec the leading supplier of PCB tools has designed a new geometry for drill bits which has the potential for large cost reductions in the drilling process.

The newly developed drill bit geometry has a helix angle of 45°, which has the advantage of increasing the breaking resistance and improving the stiffness. This means that longer flute lengths can be used with reduced drill deviation.

Longer flute lengths mean that increased stack heights can be used, thereby improving production throughput. e.g.

Using a Type 245 0.40mm dia x 8.5mm flute length it is possible to drill a stack height of 4 x 1.6mm thick panels with minimal drill deviation.

REDUCE DRILL PROCESS COSTS WITH TYPE 245 DRILL BIT

PANASONIC R175C LOW COST HIGH PERFORMANCE LAMINATE STOCKS OF R175C WILL BE AVAILABLE FROM LAMAR IN Wk 10

R175C LAMINATE FROM PANASONIC HAS THE FOLLOWING FEATURES:-



- ▶ Td = 360°C
- ▶ T₂₆₀ = 120+ MINUTES
- ▶ EXCELLENT HEAT RESISTANCE
- ▶ LOW WATER ABSORPTION
- ▶ EXCELLENT CAF RESISTANCE
- ▶ COMPLIANT TO IPC 4101/97
- ▶ STANDARD FR4 PROCESSING

SUITABLE FOR LEAD-FREE PROCESSING

SPECIAL OFFERS

We have a list of special offers on our web site. These will be updated on a regular basis.

Check the offers now at www.lamargroup.co.uk and don't forget to look out for our special offer e-mails and pick up a bargain.

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