

ROUGHENED COPPER FOIL, COPPER-CLAD LAMINATE AND PRINTED WIRING BOARD

ABSTRACT

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Provided is a roughened copper foil capable of achieving both excellent transmission characteristics and suppression of powdering. This roughened copper foil includes a roughened surface on at least one side. The roughened surface has a roughness slope $\tan \theta$ of 0.58 or less as calculated based on a mean height R_c (μm) and a mean width R_{Sm} (μm) of profile elements by formula $R_c/(0.5 \times R_{Sm})$, and a sharpness index $R_c \times S_{ku}$ of 2.35 or less that is a product of the mean height R_c (μm) and a kurtosis S_{ku} . R_c and R_{Sm} are values measured in accordance with JIS B0601-2013 under a condition of not performing a cutoff by a cutoff value λ_s and a cutoff value λ_c , and S_{ku} is a value measured in accordance with ISO 25178 under a condition of not performing a cutoff using an S filter and an L filter.

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Figure 1