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ICS 31.200
CCS L56

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 20870.6-2026

Semiconductor devices - Part 16-6: Microwave integrated circuits - Frequency multipliers

半导体器件 第16-6部分：微波集成电路 倍频器

(English Translation)

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Foreword

GB/T 20870.6-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Ministry of Industry and Information Technology (Electronics).

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1 Scope

Frequency multipliers are microwave integrated circuits that produce an output at a whole multiple of the driving frequency, and they appear in radar, communications and test equipment. This document is Part 16-6 in the series on semiconductor devices and addresses microwave integrated circuits of this type, giving a common reference for how such devices are specified and characterised.

Semiconductor designers and manufacturers can use it when defining datasheets and verification plans, while system designers in communications and sensing may refer to it when selecting parts. Test laboratories that measure microwave devices will find it relevant to the way results are reported. The standard is a recommended national standard, voluntary unless cited by contract or regulation, and it adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 March 2027.

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