

# DS303A213 Modulation Unit

--- GB20600-2006 China terrestrial digital broadcasting standards ---

## ■ Features

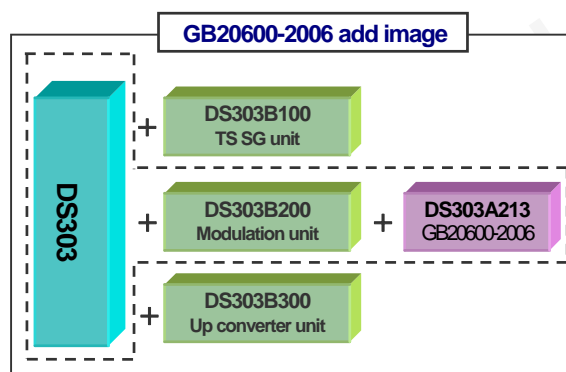
DS303A213 modulation unit is based on GB20600-2006 China terrestrial digital broadcasting standards by China standards committee issued in August 2006. It combines together DS303B mainframe, DS303B100 TS signal generator unit, DS303B200 modulation unit and DS303B300 up converter unit. When DS303 series is had already, it adds DS303A213 only. It brings reduction in cost plan to fruition.



DS303 Series

## ■ Specifications

◆ Standards	DMB-TH, Conforms to GB20600-2006 China terrestrial digital broadcasting
◆ Input signal	DVB-SPI, Test SG
◆ Band width	8 MHz
◆ Carrier mode	Multi, Single
◆ Guard interval	420 Symbols, 945 Symbols
◆ Constellation	QPSK, 16 QAM, 64 QAM
◆ FEC	0.4, 0.6, 0.8
◆ Interleave	240 Symbols, 720 Symbols
◆ IF output level	-15.0 dBm
◆ IF output frequency	44.000000 MHz +/-200 kHz (1 Hz step)
◆ IF invert	ON-OFF
◆ Carrier output	CW, MOD
◆ Test pattern	PRBS9, PRBS11, PRBS15, PRBS20, PRBS23, Ramp, Fixed 00Hex, Fixed 55Hex, Fixed AAHex, Fixed FFHex
◆ PRBS reverse	ON-OFF
◆ Data reverse	ON-OFF
◆ TS type	Sync + 187, Sync + PID + 184
◆ Functions	Noise signal can be added. (C/N 0.0 to 30.0 dB, 0.1 dB step) BER (Bit Error Rate) measurement is available



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