

Accommodating the wide range from standard TV models to high-end models.

## AV Switch ICs AN15851/2/3/4/6

### ■ Overview

AN15851/2/3/4/6 are AV switch ICs with a built-in IIC buss and multi-signal input capability. These ICs support CV,RGB,SC/SV and Y/U/V signal inputs and feature a built-in amplifier for video output. Video/audio switching can also be controlled independently for each channel (excl. AN15852).

### ■ Features

- Number of channels (example)
  - 4 inputs/2 outputs:AN15851/4, 6 inputs/3 outputs:AN15852
  - 4 inputs/1 outputs:AN15853, 7inputs/3 outputs:AN15856
- D-terminal compatible:AN15852
- S-terminal compatible:AN15853/6
- Built-in video output amp
  - 4.4dB/6dB,0/6dB:AN15851,0/6dB:AN15852/3/4/6

### ■ Applications

TVs (CRT TVs, PDPs, LCD TVs, PTVs)



### ■ Specification

			AN15851	AN15852	AN15853	AN15854	AN15856
Input	Video	Cv	4	6	3	4	7
		Sc/Sy			1		2
		YUV			1		–
		S-terminal	–	–	1	–	2
		RGB	(1)	(1)	–	(1)	–
	D-terminal	–	(4)	–	–	(2)	
	Audio		4	6	4	4	7
Output	Video	Cv	2	3	1	2	2
		Sc/Sy			2		1
		YUV			–		–
		Y/C mix	1	–	–	1	2
		Dc out	–	1	–	–	2
		Audio		2	3	1	2
Output amp	Video		4.4/6dB 0/6dB	0/6dB	0/6dB	0/6dB	0/6dB
Video frequency characteristics(-3dB)			30MHz	50MHz	30MHz	30MHz	30MHz
Package			USONF36pin	QFH80pin	USONF36pin	USONF36pin	QFH64pin

Products and specifications are subject to change without notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

Semiconductor Company, Matsushita Electric Industrial Co., Ltd.