

Features

- In accordance to adjacent frequency design, no interference between adjacent channel.
- Adapting double-conversion、IF modulation、Acoustic filter、Phase-locked technology.
- 4 adjacent channels in 1 housing, firm structure, providing an economical solution.
- 19' 1U standard structure, independent power supply, elegant exterior, flexible corollary equipment, convenient to maintenance

Specification

	Index	Specification
RF	Frequency range	(47 ~ 870) MHz (Fixed Channel)
	TV system	PAL D/K、PAL B/G、NTSC (Optional)
	Output return loss	VHF : $\geq 12\text{dB}$; UHF : $\geq 10\text{dB}$
	Output level	$\geq 105\text{dB}\mu\text{V}$ (independent output; $\geq 95\text{ dB}\mu\text{V}$ (combined output)
	Audio carrier power to video carrier power	(14 ~ 22) dB
	Frequency Accuracy	VHF : $\pm 5\text{ KHz}$; UHF : $\pm 10\text{ KHz}$
	Total frequency deviation	VHF : $\pm 10\text{ KHz}$; UHF : $\pm 20\text{ KHz}$
	video/audio interval	5KHz
	Carrier power ratio	$\geq 55\text{dB}$ (In-channel) ; $\geq 62\text{dB}$ (Out-channel)
	Internal spurious output	$\leq -60\text{dB}$
	External spurious output	$\leq -60\text{dB}$

	Parameters	Specification
Video	Degree of modulation signal	$\geq 80\%$
	Flatness in operating band	$\leq \pm 1.5\text{dB}$
	Gain of differential coefficient	$\leq 5\%$
	Phase of differential coefficient	$\leq 5^\circ$
	K Factor	≤ 4
	Delay difference of color or light	$\leq 45\text{ns}$
	Signal to noise ratio	$\geq 52\text{dB}$

	Index	specification
Audio	Pre-emphasis of audio	50 μs
	Maximum partial frequency of audio	$\pm 50\text{KHz}$
	Audio flatness	$\pm 1\text{dB}$ (40Hz ~ 10KHz)
	Distortion degree of audio	$\leq 1\%$
	Signal to noise ratio	$\geq 60\text{dB}$

