

VAST ELECTRONIC INDUSTRY (ZHUHAI) Co., Ltd

VAST ELECTRONIC TECHNOLOGY (ZHUHAI) Co.,Ltd

Address: Floor 7, Building 2, No. 56, Lanpu road, Zhuhai city, Guangdong Province, China

Phone: 0756-8353205 Fax: 0756-8139001

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<http://www.vastelec.com>

Model	V-FM01 	V-FM02 	V-TX-99D 	V-TX-99E 	V-TX-99A 
Transmitting Frequencies range Lowest & Highest	87.5-108.0MHz	87.5-108.0MHz	87.5-108.0MHz	87.5-108.0MHz	87.5-108.0MHz
Display Mode:	4-digit LED	4-digit LED	Dot Matrix LCD1602	Dot Matrix LCD1602	Dot Matrix LCD1602
Tuning steps MHz per step	0.1MHz User Adjustable	0.1MHz User Adjustable	0.1MHz User Adjustable	0.1MHz User Adjustable	0.1MHz User Adjustable
Operating voltage	DC12V	DC12V	DC12V	DC12V	DC12V
Amps needed	50mA	50mA	80mA	400mA	1.5A
Transmitting Power output	15mW	20mW	50mW	500mW	5W
Input requirements audio	Stereo	Stereo	Stereo/Mono User Adjustable	Stereo/Mono User Adjustable	Stereo/Mono User Adjustable

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Power off memory function	YES	YES	YES	YES	YES
Frequency Prestore Key	NO	NO	2 prestore keys	2 prestore keys	4 prestore keys
Stereo Channel Separation	$\geq -60\text{dB}$	$\geq -60\text{dB}$	$\geq -60\text{dB}$	$\geq -60\text{dB}$	$\geq -60\text{dB}$
Frequency response	200~15000Hz	200~15000Hz	200~15000Hz	200~15000Hz	200~15000Hz
Signal to noise ratio	$\geq 60\text{dB}$	$\geq 60\text{dB}$	$\geq 60\text{dB}$	$\geq 60\text{dB}$	$\geq 60\text{dB}$
Audio performance % of distortion	$\leq 0.5\%$	$\leq 0.3\%$	$\leq 0.3\%$	$\leq 0.3\%$	$\leq 0.3\%$
Frequency stability	$\pm 10\text{ppM}$	$\pm 10\text{ppM}$	$\pm 10\text{ppM}$	$\pm 10\text{ppM}$	$\pm 10\text{ppM}$
Antenna output impedance	50R	50R	50R	50R	50R
Harmonic rejection	$\leq -60\text{dB}$	$\leq -60\text{dB}$	$\leq -60\text{dB}$	$\leq -60\text{dB}$	$\leq -60\text{dB}$
Spurious rejection	$\leq -60\text{dB}$	$\leq -60\text{dB}$	$\leq -60\text{dB}$	$\leq -60\text{dB}$	$\leq -60\text{dB}$
Audio performance limiter Pre-emphasis	YES	YES	YES	YES	YES
Input requirements for microphone	NO	NO	YES	YES	YES
Will tuning be with PLL technology for stability	YES	YES	YES	YES	YES

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Will station FRQ transmitting on be retained if power goes out and then is restored	YES	YES	YES	YES	YES
Dimension of PCB:	55mm*88mm	89mm*30mm 80mm*30mm	137mm*98mm*25mm	137mm*98mm*25mm	225mm*130mm*35mm