

VT30 Model Number Builder

Video/Audio/Data Transmitter

RF Power

1 = 1.0 W	5 = 250 mW/2.0 W
2 = 2.0 W	6 = 500 mW/1.0 W
3 = 250/500 mW	7 = 500 mW/2.0 W
4 = 250 mW/1.0 W	8 = 1 W/2 W

Frequency Band (Other Ranges Available)

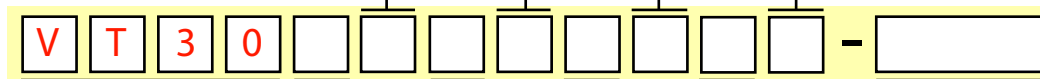
U = UHF	340.0-399.9 MHz	100 kHz BCD Steps
M = Lower L-band	1435-1535 MHz	1 MHz BCD Steps
L = Upper L-band	1700-1850 MHz	1 MHz BCD Steps
S = S-band	2200-2399 MHz	1 MHz BCD Steps
2 = ISM S-band	2400.00-2499.75 MHz	250 kHz BCD Steps
C = C-band	4400-4999 MHz	1 MHz BCD Steps
P = Public Safety C-band	4940-4990 MHz	1 MHz BCD Steps

Subcarrier 2 Frequency⁴

A = 4.83 MHz	G = 7.20 MHz
B = 5.80 MHz	H = 7.50 MHz
C = 6.00 MHz	J = 8.30 MHz
D = 6.20 MHz	K = 8.50 MHz
E = 6.50 MHz	L = 8.59 MHz
F = 6.80 MHz	M = Custom
	Blank = None

Subcarrier Type³

A = Audio (10 kHz) ⁵
D = Data (48 kbps) ⁶



Series

Finish

N = Nickel Plated
B = Black Plated

Frequency Selectability

F = Fixed Frequency (Specify with Dash Number) ¹
B = Channelized w/ Rotary BCD Switches (Chassis-Mounted) ²
R = Channelized w/ Serial RS232 (Remote Control)
D = Channelized w/ Programmable Binary Switch

Video Bandwidth / Pre-Emphasis

M = 3.5 MHz (Monochrome) / 525-Line Pre-Emphasis
N = 4.2 MHz (NTSC) / 525-Line Pre-Emphasis
P = 5.0 MHz (PAL) / 625-Line Pre-Emphasis
C = Custom Bandwidth and/or Pre-Emphasis

Subcarrier 1 Frequency⁴

A = 4.83 MHz	G = 7.20 MHz
B = 5.80 MHz	H = 7.50 MHz
C = 6.00 MHz	J = 8.30 MHz
D = 6.20 MHz	K = 8.50 MHz
E = 6.50 MHz	L = 8.59 MHz
F = 6.80 MHz	M = Custom

Frequency¹

(Fixed Frequency Only)
Enter the Frequency in MHz
(0000.00M format)

or

Offset Frequency²

0 = 0.00 MHz Offset
2 = 0.25 MHz Offset
5 = 0.50 MHz Offset
7 = 0.75 MHz Offset

Notes:

- Fixed frequency models must have the Frequency specified after the dash at the end of the model number.
- Channelized models with 1 MHz steps (see Frequency Band for step sizes) must have an Offset Frequency specified after the dash at end of model number.
- Transmitter may be configured as video with one or two subcarriers.
- Subcarrier Frequency Limits
 - Monochrome Video - 4.83 MHz and higher
 - NTCS Video - 5.8 MHz and higher
 - PAL Video - 6.8 MHz and higher
 - Separation (for 2 subcarriers) - 1 MHz min.
- Audio Pre-Emphasis:
 - 75 usec standard with NTCS video
 - 50 usec standard with PAL video
- Data Subcarriers are RS232 format with 100-48,000 bps data rate.



Advanced Microwave Products
7025 Longley Lane, Suite 20
Reno, NV 89511

Phone: (775) 345-9933
Fax: (775) 345-9913
E-mail: sales@advmw.com
Web: www.advmw.com