

418 MHz and 433 MHz TIME CODE UNITS - SPECIFICATIONS

Stock Code	Time Code Miniature Transmitter		Time Code Self Powered Transmitter		Time Code Miniature Receiver		Time Code Self Powered (Standard) Receiver		Time Code Reader	Time Code Pad	Time Code Box
	105a	105a-X	112	112-X	113	113-X	105b	105b-X	111	114	116
Frequency	418 MHz	433 MHz	418 MHz	433 MHz	418 MHz	433 MHz	418 MHz	433 MHz	418+433 MHz		
Operating voltage	7 to 14 V	7 to 14 V	7 to 9 V	7 to 9 V	12 V	12 V	9 V	9 V	9 V		
Time Code input voltage											3.8 V
Time Code attenuation										18 dB or 24 dB	-6 dB to -12 dB
Input + Output impedance										7.5k	
Current consumption	~ 15 mA	~ 20 mA	~ 15 mA	~ 15 mA	~ 35 mA	~ 20 mA	~ 35 mA	~ 20 mA	~ 50 mA		
Minimum Battery voltage			7 V	7 V	8.5 V	8.5 V	6.5 V	6.5 V	7 V		
Carrier detect threshold					1 uV	1 uV	1 uV	1 uV	1 uV		
Sensitivity					0.5 uV	0.5 uV	0.5 uV	0.5 uV	0.5 uV		
S/N ratio @ 0.5 uV					20 dB	20 dB	20 dB	20 dB	20 dB		
Time Code level out					0 to 4.5 V <small>(adjustable internally)</small>	0 to 4.5 V <small>(adjustable internally)</small>	0 to 4.5 V <small>(adjustable internally)</small>	0 to 4.5 V <small>(adjustable internally)</small>	1 V		
Time code level in	3.8 V	3.8 V	3.8 V	1 to 5 V					1 to 3 V		
Input impedance	4.7k	4.7k	4.7k	4.7k					1000 ohms		
Output impedance					1000 ohms	1000 ohms	1000 ohms	1000 ohms	1000 ohms		600 ohms
Output voltage					0 to 5 V	0 to 5 V	0 to 5 V	0 to 5 V			
Output power	250 uW	10 mW	250 uW	10 mW							
Deviation	+/- 25 kHz	+/- 25 kHz	+/- 25 kHz	+/- 25 kHz							
Programme input level											Balanced line level
Programme input imped-											600 ohms

418 MHz and 433 MHz TIME CODE UNITS - DIMENSIONS

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	105a	105a-X	112	112-X	113	113-X	105b	105b-X	111	114	116
Frequency	418 MHz	433 MHz	418 MHz	433 MHz	418 MHz	433 MHz	418 MHz	433 MHz	418+433 MHz		
Width			60 mm	60 mm	60 mm	60 mm	60 mm	60 mm	95 mm		60 mm
Length	175 mm (including Aerial)	175 mm (including Aerial)	130 mm	130 mm	50 mm	50 mm	120 mm	120 mm	120 mm		110 mm
Height			30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm		30 mm
Weight	95 grms	95 grms	183 grms	183 grms	105 grms	105 grms	196 grms	196 grms	396 grms		205 grms