APPLICA	TION		REVISION		
NEXTASSEMBLY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
	C65	A	SPECIFICATION RELEASE	1-31-91	85Poiltr

1.0 DESCRIPTION

This specification describes the requirements for RF modulators for receiving audio signals and NTSC or PAL composite video signals, and outputting combined RF broadcast signals.

Devices must be compliant with FCC Part 15 for TV interface devices.

313371-01 = NTSC (USA/Canada)

313371-02 = PAL (B) (Germany 313371-03 = PAL (I) (United Kingdom) 313371-04 = PAL (G) (Australia/Scandinavia)

Commodore I'/N	Status	Comn	odore P/N	St	atus			
313371-01	Active							
313371-02	Active							
313371-03	Active							
313371-04	Active							
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2.0 RF OUTPUT REQUIREMENTS

Operating voltage:

5.0 ± 0.2 V

Operating current:

20 milliamps max.

Video carrier frequency:

Ch 3 Ch 4

(-01) 61.25 MHz (-02) 55.25 MHz 67.25 MHz (± 250 KHz) 62.25 MHz (± 250 KHz)

(-03)

To Be Determined

(-04)

To Be Determined

Video carrier output level:

66 ± 6 dB μ 75 ± 10 %

Video modulation: Audio carrier output level:

 $53 \pm 3 \,\mathrm{dB}\,\mu$

VSWR (output):

3 max.

In band spurious response:

- 55 dB max.

Audio carrier frequency:

(-01) 4.5 MHz (± 10 KHz) (-02) 5.5 MHz (± 10 KHz)

(-03) To Be Determined (-04) To Be Determined

Audio carrier frequency deviation: (-01) 40 ± 10 KHz

(-01) 40 \pm 10 KHz (-02) 60 \pm 20 KHz

(-03) To Be Determined (-04) To Be Determined

Output spurious response:

- 30 dB max.

3.0 ENVIRONMENTAL RESISTANCE

Operating temperature:

0 to + 55 ° C

Operating humidity:

10 to 90 % RH non-condensing

Storage temperature:

- 20 to + 60 ° C

Storage humidity:

5 to 90 % RH non-condensing

4.0 MARKINGS

Devices shall be marked with Commodore bar code per specification 310071 and vendor name and part number.

5.0 MINIMUM ACCEPTANCE LEVEL

The minimum acceptance level for any lot will be an AQL of 0.65 as defined by MIL-STD 105 single sampling techniques.

6.0 ENGINEERING CHANGES

No changes shall be made to the device specified herein, which affect its form, fit, or function, without prior approval from Commodore Engineering

Commodore			TITLE:	MODULATOR, RF
SIZE A	DRAWING NUMBER 313371	REV.	SCALE	SHEET 2 OF 2

APPROVED VENDOR LIST

THIS SHEET MUST BE REMOVED FROM THIS DOCUMENT BEFORE THE DOCUMENT IS SHOWN OR TRANSMITTED TO A VENDOR.

Commodore P/N	Vendor	Vendor P/N
313371-01	MITSUMI	. VA3424
313371-02	MITSUMI	VE3424
313371-03	MITSUMI	UB3621
313371-04	MITSUMI	UE3621

	Commodore	TITLE: MODULATOR, RF			
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