



November 4, 1977

MEMO TO: Dr. Dave Chandler
FROM : Neal Stewart
CC : Jim Kingsbury/Howard Cohen
SUBJECT : TV RF MODULATORS

Reference our telecon, please find enclosed a catalogue of our products.

Just to indicate specific part numbers to clarify the applications in the use of the TV RF modulators.

- UM 1082 Dual channel ch 3/ch 4, medium performance for colour, low cost TV games.
- UM 1082A3 Single channel ch 3, medium performance for colour, low cost.
- UM 1281 Contains both RF modulator (single channel ch 3) and FM 4.5 MHz sound modulator. Medium performance for low cost colour and sound on TV set.
- UM 1084A3 High performance, low phase differential, wide bandwidth, single channel ch 3, low cost for colour alphanumerics.
- UM 1284 High performance, low phase differential, wide bandwidth, dual channel ch 3/ch 4 with 4.5 MHz FM sound modulator and output filter, low cost for colour alphanumerics.

All the above are in single PCB drop-in wave solderable packages which interface directly to LSI.



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We are extremely familiar with FCC and European radiation requirements, and the above modulators have been designed to minimize FCC problems.

We also have a series, built into the 60dB switch box, UM 1092 and UM 1094 which are not overall the lowest cost solutions, but do offer an alternative configuration in keeping the RF modulator outside the total game package. The full composite video, 4.5 MHz sound and bias is driven up the coax cable from a module mounted on the PCB (UM1261) which contains video driver and FM sound modulator.

For your high volume application, the UM 1284 is what you are after, and am in close contact with GI on this unit.

Hope this finds you not with too many toy business nightmares.

Regards.

Neal Stewart

A handwritten signature in blue ink, appearing to be "NS" or similar initials, written over a light blue rectangular background.