**Model 2779, 2710 Subcarrier System**

The 27XX (2779-XX for transmitter, 2710-XX for receiver) is a crystal controlled FM subcarrier system for multi-channel applications above a video signal with low distortion, flat frequency response from 50 Hz to 15 kHz, and factory set subcarrier frequencies from 5.4 MHz to 8.5 MHz. Connection to video is via a high impedance resistor which does not load the video signal even when power is lost.

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### 2779, 2710 EQUIPMENT SPECIFICATIONS*

**System - Audio**
- Peak program level (PPL) +0 to +18 dBm, adjustable
- Frequency response ± 0.25 dB from 50 Hz to 15 kHz
- Distortion < 0.3% at 1 kHz (De-emph, 30 kHz bandwidth)
- Compressor type None
- Emphasis 75 usec, J17 available
- Dynamic Range > 75 dB from PPL for ≥ 75 kHz peak deviation, clean signal
- > 60 dB from PPL for ≤ 75 kHz peak deviation, clean signal

**System - Other**
- Frequency range 5.4.0 to 8.5 MHz, crystal controlled, factory set
- Channel spacing (min) approximately 2.4 X (peak deviation + top audio frequency)
- Deviation (at PPL) ± 50 kHz to ± 325 kHz, factory set
- Connectors BNC, female, subcarrier in/out; terminal strip, audio and alarm
- Power 115 VAC (60 Hz) < 20 W
- Size 1.75” X H 19” W X 15” D, each

### Modulator Characteristics:
- Subcarrier output level 25 to 250 mV P/P (adj.)
- Output impedance Bridging (>1.5 k ohms) to 75 ohm line
- Audio Impedance 600 Ω, balanced (high impedance, > 50KΩ, available)
- Alarms Carrier frequency out of lock
- Indications Alarm, Peak modulation

### Demodulator Characteristics
- Subcarrier input level 25 mV to 250 mV P/P
- Input impedance Bridging (>1.5 k ohms) to 75 ohm line
- Audio Impedance 600 Ω, balanced (low impedance, 100 Ω, available)
- Alarm Input subcarrier level low
- Indications Alarm (Input subcarrier level low), Audio presence indicator

### MODELS

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*+10 to +40 degrees C; Specifications subject to change without notice

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