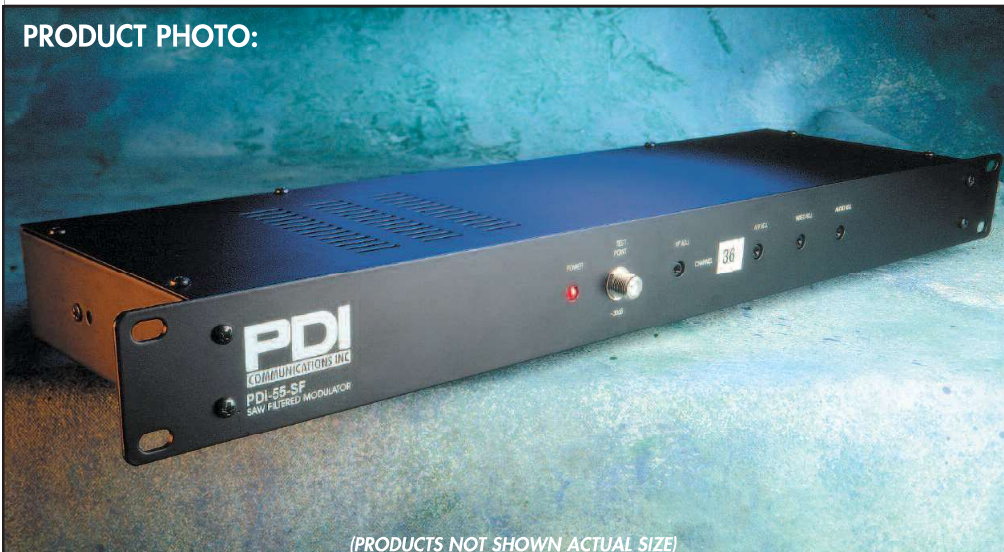


860MHz 55dBmV SAW FILTERED FIXED FREQUENCY MODULATOR

PRODUCT PHOTO:



(PRODUCTS NOT SHOWN ACTUAL SIZE)

PDI PART #:

PDI-55-SF

PDI-55-SFS*

* "S" designation: Stereo unit

SOLD IN: UNITS OF 1

SPECIFICATIONS:

- | | |
|-------------------------|---|
| • Frequency Range | Channels 2-134 (54-860MHz) |
| • Video Input Level | 0.7 to 1.5 Vp-p for 87.5% modulation |
| • Video C/N | 60dB (4MHz BW) |
| • Output Level | +55dBmV (± 2 dBmV audio RF level is adjustable from 13-20dB below video carrier) |
| • Frequency Stability | ± 5 kHz Maximum |
| • Hum and Noise | -60dB min. @ 87.5% modulation |
| • Audio Input Level | 250mV min. for ± 25 kHz deviation |
| • Audio Input Impedance | 600 ohms or High Z, unbalanced |
| • Spurious Output | -60dBc typical (@ A/V ratio-15dB) |
| • Power Requirement | 117 V AC, 60Hz 15 Watts |
| • Dimensions | 19" W x 1 3/4" H x 6 1/2" D |

37Stereo Specifications

55-SFS ONLY

- | | |
|-----------------------------|----------------------------|
| • Frequency Response | 20Hz to 14kHz + 1dB |
| • Separation | 27dB 20Hz to 14kHz Typical |
| • Pilot Rejection | 50dB |
| • Signal to Noise Ratio | 60dB |
| • Audio Input Impedance | 10K ohms unbalanced |
| • Nominal Input Level (APL) | 0dBm, Adjustable + 10dB |
| • Distortion | 0.5% Maximum THD |

COMMENTS/GENERAL APPLICATION:

The **PDI-55-SF** is a fixed channel, PLL controlled, video and audio modulator with SAW filtering. It is available for any cable channel between 2 through 134. Its video dynamic range insures 87.5% modulation depth over a wide video input range. The vestigial sideband selectivity allows maintenance free adjacent channel configuration. An efficient power supply enables cool and stable operation. The unit offers high performance, low cost and compact design. 2 year warranty

CHARACTERISTICS:

- +55dBmV RF output level
- Phase lock loop frequency control
- SAW filtering for true adjacent channel operation
- BTSC composite baseband stereo compatible
- Spurious output -60dBc
- Auxiliary AC outlet
- Cool operation
- Available In All PAL Configurations
- UL Listed Canada/U.S