



**N3151**

**Fixed channel Modulator**



**N3182**

**Fixed channel Modulator**



**N3282**

**Agile Channel Modulator**

**FEATHERS & SPECIFICATIONS**

- Superior vestigial sideband filtering for adjacent channel systems
- Low spurious harmonic output
- Highly accurate crystal controlled oscillator
- 5 digits LED on Front panel
- Front panel keys for adjusting frequency, modulation level, A/V ratio, volume, RF signal level
- -25 dB test point on Rear panel
- GaAs Component used for N3282
- System: PAL-B/G/D, NTSC

	Model	N3151	N3182	N3282
RF output	Frequency range (MHz)	47-550	47-860	45-860
	Frequency stability (KHz)	±10	±10	±5
	Tuning step (KHz)	/	/	250
	Output level (dB μV)	100	105	108
	Output level adjustable (dB)	0 to -20	0 to -20	0 to -20
	Output return loss (dB)	14	14	13
	Spurious output (dB)	-62	-62	-60
	C/N Ratio in Channel (dB)	65	65	65
	Audio/ video carrier ratio adjustable	-10 to -20 dB		/
	Output impedance (Ω)	75	75	75
Video section	Standard input level (V p-p)	0.5	0.5	1.0
	Input impedance (Ω)	75	75	75
	Video S/N ratio (dB)	53	60	50
	Video Response (dB)	1.0	1.5	1.5
	Differential Gain	<3%	<3%	2.5%
	Differential Phase	<3°	<3°	2.5°
	C/L delay Inequality	40nS	40nS	40nS
	Video modulation level adjustable	/	/	1-32
Audio Section	Input level range (dBmV)	+5 ~ +25	+5 ~ +25	+5 ~ +25
	Input impedance (Ω)	>10k	>10k	>10k
	Frequency response (dB)	1.5	1.5	1.5
	Audio S/N (dB)	55	55	52
	Audio distortion	1.0%	1.0%	0.4%
	Audio Frequency	6.50,6.00,5.50,4.50 MHz Optional		
	Pre-emphasis	50μs	50μs	50μs
	Audio Level Adjustable	/	/	1-32