



ANALOG

600 SERIES

Audio

Open reel audio tape

The industry standard for
low-cost, non-backcoated
analog open reel applications

product OVERVIEW

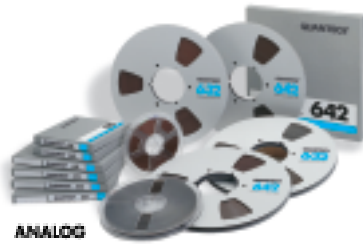
Quantegy's 600 series offers a low noise/high output tape with improved capabilities over standard output products. The lower noise and higher output provide an improved signal-to-noise ratio. An exceptionally smooth recording surface, the result of the Quantegy Ferrosheen™ process, enhances close head-to-tape contact and allows improved high frequency response. Special attention is given during manufacture to maintain uniformity within each batch and between batches to meet the consistency needs of demanding users. Extra care is given to slitting and winding to assure smooth handling at all winding speeds.

product Features

- Low noise/high output formulation
- Clean-running performance with uniform winding properties
- Balanced frequency response
- Highly durable oxide formulation and binder
- Fully protective packaging

Quantegy recording solutions, llc
2230 Marvyn Parkway
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800-752-0732 www.quantegy.com





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600 technical data

	Unit	Typical Values:			
		632	642	652	661
Magnetic Properties					
Coercivity	Oe (kA/m)	310 (24.7)	310 (24.7)	310 (24.7)	310 (24.7)
Retentivity	Gs (mT)	1100 (110)	1100 (110)	1100 (110)	1100 (110)
Physical Properties					
Standard Width	in (mm)	0.246 (6.3)	0.246 (6.3)	0.246 (6.3)	0.246 (6.3)
Nominal Thickness:					
Base Film	μ" (μm)	1400 (35.6)	880 (22.4)	480 (12.2)	480 (12.2)
Oxide Coating	μ" (μm)	280 (7.1)	310 (7.8)	310 (7.8)	220 (5.6)
Total	μ" (μm)	1680 (42.7)	1190 (30.2)	790 (20.0)	700 (17.8)
Performance Properties					
Bias Sensitivity @ 500 Hz	dB	0.0	0.0	0.0	-1.2
Record Sensitivity @ 500 Hz	dB	0.0	0.0	0.0	0.0
Third Harmonic Distortion					
Reference Record Level	%	0.75	0.75	0.75	3.5
Output Sensitivity:					
100 Hz	dB	0.0	0.0	0.0	-2.0
500 Hz	dB	-0.5	-0.5	-0.5	-2.5
7500 Hz	dB	-0.5	-0.5	-0.5	-1.5
15000 Hz	dB	-0.5	-0.5	-0.5	+0.5
Saturated Output:					
500 Hz	dB	-1.5	-1.5	-1.5	-6.5
15000 Hz	dB	-1.0	-1.0	-1.0	+0.5
Relative Weighted Noise with Bias	dB	+1.3	+1.3	+1.3	0.0
Print-through	dB	57.0	55.0	49.0	49.0
Signal-to-noise	dB	+2.0	+2.0	-1.5	-6.0

600 Configurations

Catalog Number	Description	Reel Size		Tape Length		Carton Weight		Carton Quantity
		Inches	mm	Feet	Meters	Lbs / Kgs		
632 Professional—Low Noise, High Output, 1.5 MIL								
632-131111	.25" X 600', 5" plastic reel, setup box	.25 x 5	6.25 x 130	600	183	14.5	6.57	40
632-151111	.25" X 1200', 7" plastic reel, setup box	.25 x 7	6.25 x 180	1200	366	32.3	14.66	40
632-173111	.25" X 2500', 10.5" NAB reel, setup box	.25 x 10.5	6.25 x 270	2500	762	22.8	10.36	10
632-17611T	.25" X 2500', pancake, tray pack	hub	hub	2500	762	10.0	4.53	10
632-19611T	.25" X 5000', pancake, tray pack	hub	hub	5000	1526	18.7	8.50	10
642 Professional—Low Noise, High Output, 1.0 MIL Polyester								
642-151111	.25" X 1800', 7" plastic reel, setup box	.25 x 7	6.25 x 180	1800	569	33.7	15.30	40
642-173111	.25" X 3600', 10.5" NAB reel, setup box	.25 x 10.5	6.25 x 270	3600	1097	23.5	10.65	10
642-17611T	.25" X 3600', pancake, tray pack	.25 nab hub	6.25 hub	3600	1097	10.5	4.77	10
642-19611T	.25" X 7200', pancake, tray pack	.5 nab hub	6.25 hub	7200	2196	19.1	8.67	10
652 Professional—Low Noise, High Output, 0.5 MIL Polyester								
652-1311H1	.25" X 1200', 5" plastic reel, setup box	.25 x 5	6.25 x 130	1200	366	16.2	7.36	40
652-151111	.25" X 2400', 7" plastic reel, setup box	.25 x 7	6.25 x 180	1800	569	32.6	14.8	40
652-17691T	.25" X 7200', 7" pancake, tray pack	.25 nab hub	6.25 hub	7200	2196	13.2	6.00	10
652-27291T	.25" X 7200', 7" pancake, tray pack	.5 hub	12.5 hub	7200	2196	18.4	8.38	07
661 Professional—0.5 MIL Polyester, 0.2 MIL Oxide Thickness								
661-131111	.25" X 1800', 5" plastic reel, setup box	.25 x 5	6.25 x 130	1800	569	15.8	7.15	40
661-151111	.25" X 3600', 7" plastic reel, setup box	.25 x 7	6.25 x 180	3600	1097	36.5	15.63	40

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