

# Toshiba Stereo

Sound ideas  
Sound value



**TOSHIBA**

# Why TOSHIBA?

First ask yourself what you expect from the audio equipment you take into your home. Performance. Reliability. Versatility. The latest technology. These come quickly to mind. And they're things that every manufacturer promises. How can you be sure that these promises will be lived up to. With TOSHIBA, you can be sure, because unlike many manufacturers, TOSHIBA doesn't depend on outside suppliers for the manufacture of critical components. Nor do we depend on other manufacturers to come up with innovations. We operate one of

the world's largest research and development programs. Synthesizer FM tuning that has dramatically increased the quality of stereo FM reception is a recent TOSHIBA innovation, and an idea that others were quick to copy.

But we also have our artistic side. So when TOSHIBA designs a new component, it's always with an eye to how it will look in your home. We think you'll agree that the results are impressive.

Impressive styling. Impressive performance. Can you think of better reasons for making your system TOSHIBA?

## Stereo Receivers



### SA-S55 DIGITAL SYNTHESIZER STEREO RECEIVER

- 55 Watts per channel minimum rms at 8 Ohms, 20 to 20,000Hz with no more than 0.03% T.H.D. •DC power amplifier stage for clean, low distortion power •12-station memory preset (6 each AM/FM) by frequency synthesizer •One-touch auto tuning •New fade-in/out control •Loudness compensation, tone defeat
- Two speaker systems selector



### SA-2500 FM/AM STEREO RECEIVER

- 25 Watts minimum rms per channel continuous power output, both channels driven, at 8 Ohms from 20 to 20,000Hz with no more than 0.05% T.H.D. •DC power amplifier for low distortion and minimum phase error •Green LED indicators for optimum tuning point •Quick one-touch speaker connection terminals
- Subsonic filter •Loudness control •FM muting •FM-Stereo indicator •1.8uV FM sensitivity



### SA-5000 SERVO LOCKED STEREO RECEIVER

- 50 Watts minimum rms per channel continuous power output, both channels driven, at 8 Ohms from 20 to 20,000Hz with no more than 0.03% T.H.D. •Touch-sensitive servo-lock tuner •DC power amplifier for low distortion and low phase error •New fade-in/out control •Green LED indicators for optimum tuning point
- New "feather boa" heat sink for efficient heat dissipation •16Hz subsonic filter to minimize IM caused by record warps •Loudness control •1.8uV FM sensitivity •Two tape monitors with dubbing

## Designer Series Components



### ST-S60 FM/AM DIGITAL SYNTHESIZER STEREO TUNER

- Digital synthesizer stereo tuner •12-station memory preset •Auto FM tuning •Touch-tone selectors •Easy up/down manual tuning •3 LED signal strength indicator

### SB-A60 DC STEREO POWER AMPLIFIER

- 40 Watts minimum rms per channel continuous power output, both channels driven, at 8 Ohms from 20 to 20,000Hz with no more than 0.08% T.H.D. •All electronic switching •22-point LED power bargraph meters for power indication •Audio fade-in/out control •Tape monitoring facility with duplication function •Mike-mixing •Independent bass/treble tone controls •Subsonic filter and loudness switches



### SA-3500 FM/AM STEREO RECEIVER

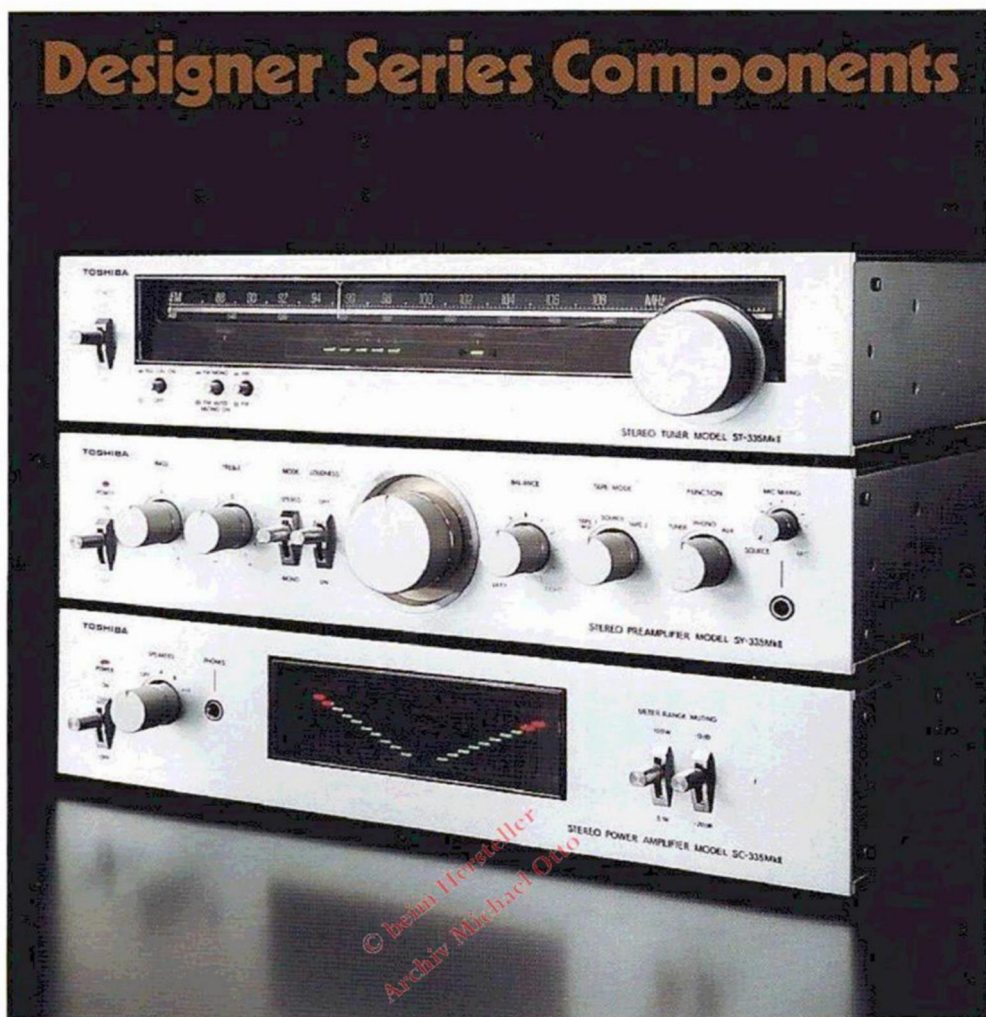
- 35 Watts minimum rms per channel continuous power output, both channels driven, at 8 Ohms from 20 to 20,000Hz with no more than 0.04% T.H.D. •DC power amplifier for low distortion
- Green LED indicators for optimum tuning point •New "feather boa" heat sink for efficient heat dissipation •16Hz subsonic filter to minimize the effects of record warps •Loudness control •FM muting •2 tape monitors with tape to tape dubbing •1.8uV FM sensitivity



DS-60

# Stereo Tuners/Amplifiers

## Designer Series Components



### ST-335MKII

#### FM/AM STEREO TUNER

- PLL (Phase Locked Loop) MPX IC
- 5 green LED signal strength and green/red LED tuning indicators
- Extra-large tuning knob with flywheel mechanism
- LED stereo indicator
- FM muting switch
- Record calibration switch for presetting record levels
- Long (240mm), linear tuning dial

### SY-335MKII

#### STEREO PREAMPLIFIER

- Twin tape monitoring/duplicating facilities
- 41-position click-stop volume control
- Microphone mixing with control/switch
- Mode and loudness switches
- Three AC outlets (2 switched; 1 unswitched)
- LED power indicator

### SC-335MKII

#### STEREO POWER AMPLIFIER

- 40 Watts minimum rms per channel continuous power output, both channels driven, at 8 Ohms from 20 to 20,000Hz with no more than 0.1% T.H.D.
- V-shaped 20 point LED bargraph
- Two large 10,000 $\mu$ F electrolytic capacitors
- Audio muting switch
- Power range selector switch
- Double-pair speaker drive selection
- Stereo headphone jack

#### DS-208RS



# Designer Series Components



## ST-335MKII FM/AM STEREO TUNER

- PLL (Phase Locked Loop) MPX IC
- 5 green LED signal strength and green/red LED tuning indicators
- Extra-large tuning knob with flywheel mechanism
- LED stereo indicator
- FM muting switch
- Record calibration switch for presetting record levels
- Long (240mm), linear tuning dial

## SY-335MKII STEREO PREAMPLIFIER

- Twin tape monitoring/duplicating facilities
- 41-position click stop volume control
- Microphone mixing with control/switch
- Mode and loudness switches
- Three AC outlets (2 switched; 1 unswitched)
- LED power indicator

## SC-335MKII STEREO POWER AMPLIFIER

- 40 Watts minimum rms per channel continuous power output, both channels driven, at 8 Ohms from 20 to 20,000Hz with no more than 0.1% T.H.D.
- V-shaped 20 point LED bar-graph
- Two large 10,000 $\mu$ F electrolytic capacitors
- Audio muting switch
- Power range selector switch
- Double-pair speaker drive selection
- Stereo headphone jack



DS-209RB

# Stereo Turntables



## SR-Q300

### QUARTZ LOCK DD STEREO TURNTABLE

- Slotless, coreless DC servo motor
- PLL quartz lock
- Optical electronic auto return system
- Low-mass carbon glass fibre arm with anti-skating
- Front panel controls
- Full acoustic damping auto repeat
- Auto speed and size selection



## SR-A200

### SEMI AUTOMATIC DD STEREO TURNTABLE

- New coreless, slotless DC servo motor
- Variable pitch control
- Straight-type arm with anti-skating
- Adjustable anti-skating control
- Full acoustic damping



## SR-Q200

### QUARTZ LOCK DD STEREO TURNTABLE

- Slotless, coreless DC servo motor
- Front panel controls
- PLL quartz lock
- Full acoustic damping
- Straight-type arm with anti-skating
- Auto repeat
- Auto speed selector



## SR-F100/102

### FULL AUTOMATIC BELT DRIVE STEREO TURNTABLE

- Accurate DC servo belt drive system
- Auto speed and size selection
- Strobe pitch control up to  $\pm 3\%$
- Straight-type arm with anti-skating
- Front panel controls
- Magnetic cartridge (SR-F102)
- Auto repeat

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Archiv Michael



## SR-Q100

### QUARTZ LOCK DD STEREO TURNTABLE

- Slotless, coreless DC servo motor
- PLL quartz lock
- Straight-type arm with anti-skating
- Front panel controls
- Anti-skating device



## SR-A100/102

### SEMI AUTOMATIC BELT DRIVE STEREO TURNTABLE

- 4-pole AC synchronous motor
- High quality tone arm with anti-skating
- Oil-damped cueing
- Full acoustic damping
- Magnetic cartridge (SR-A102)



## SR-F200

### FULL AUTOMATIC DD STEREO TURNTABLE

- New coreless, slotless DC servo motor
- Front panel controls
- Auto-repeat
- Straight-type arm with anti-skating
- Full acoustic damping
- Auto speed and size selection



## SR-B150/152

### SEMI AUTOMATIC BELT DRIVE STEREO TURNTABLE

- 4-pole AC synchronous motor
- Straight tone arm with anti-skating
- Oil-damped cueing
- Anti-resonance cabinet
- Magnet cartridge (SR-B152)

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# Stereo Cassette Tape Decks



## PC-X60

### STEREO CASSETTE TAPE DECK

- IC logic-controlled feather-touch operation
- Simple and silent mechanism
- Die-cast front panel
- Metal tape capability
- AS (All-Sendust) rec./play head
- High sensitivity peak level meters
- Dolby\* noise reduction system
- High linearity DC amplifier
- Rec mute switch



## PC-X15

### STEREO CASSETTE TAPE DECK

- Metal tape capability
- Dolby\* noise reduction system
- High-performance super AP rec./play head
- Oil-damped soft eject mechanism
- LED metering and monitor lamps
- Front loading mechanism
- Multiplex filter



## PC-X33

### STEREO CASSETTE TAPE DECK

- Metal tape capability
- Feather touch IC logic 2 motor mechanism
- Illuminated operation key
- Ultra-slim 3-11/12" high cabinet
- High sensitivity peak level meters
- Super AP rec./play head
- Auto repeat and timer rec./P.B.
- Oil-damped soft eject mechanism
- Dolby\* noise reduction system with switchable MPX filter
- 4 position tape selector



## PC-X12

## PC-X12B



## PC-X12/X12B

### STEREO CASSETTE TAPE DECK

- Metal tape capability
- Dolby\* noise reduction system with switchable MPX filter
- Oil-damped soft eject mechanism
- Bias/equalization 3-way selectable
- Cue/review controls
- One-touch recording system
- Super AP rec./P.B. heads
- Output volume

## PC-X22

### STEREO CASSETTE TAPE DECK

- Metal tape capability
- Soft touch controls
- Reliable DC servo motor
- Linear VU level meters
- High-performance super AP rec./play head
- Dolby\* noise reduction system with switchable MPX filter
- Rec mute switch



## PC-X10M

### STEREO CASSETTE TAPE DECK

- Dolby\* noise reduction system
- Low 0.055% wow and flutter
- Timer recording and playback
- Separate left/right level controls and VU meters
- Direct loading mechanism
- Cue/review controls



## PC-G2

### STEREO CASSETTE TAPE DECK

- IC logic-controlled feather-touch control
- Simple and silent mechanism
- Metal tape capability
- Super AP rec./play head
- Slide-type volume control
- Large square peak level meters
- Dolby\* noise reduction system
- Rec mute switch



## RM-15

### REMOTE CONTROL UNIT

This compact remote control panel offers full control of the D12, PC-X60, PC-X33 and PC-G2 cassette decks from up to 15 feet away from the main unit.

# Micro Components

## TOSHIBA Micro Components

The same technological breakthroughs that helped put mini-computers into the home have made possible the high performance, yet compact dimensions of TOSHIBA's line of Micro Components. But in making them small, we haven't decreased the flexibility you expect when it comes to putting together a system of conventional sized components. You can go the separate pre-amp and power amp route or go with an integrated amp. Then build on that with the addition of a sensitive AM/FM-Stereo tuner and/or a cassette deck. The latter, of course, metal capable. You'll even find flexibility when it comes to matching a TOSHIBA Micro Component System to your budget. Performance and flexibility. Always end products of TOSHIBA's advanced technology.



### M15/M15B DC STEREO POWER AMPLIFIER

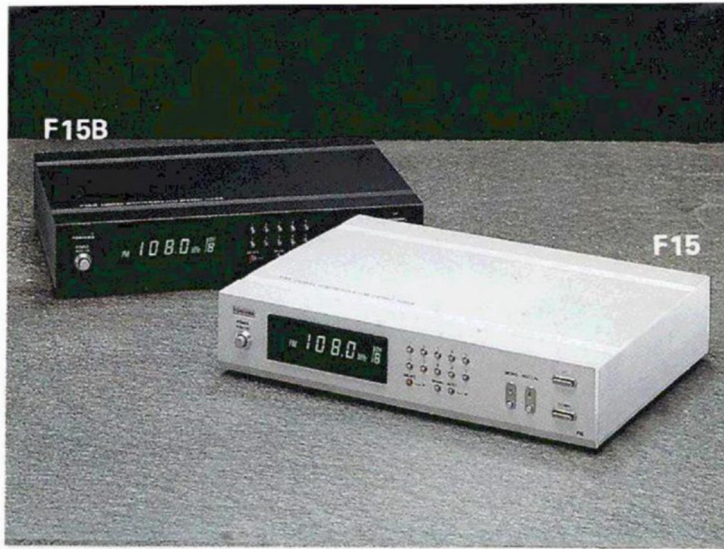
- 40 Watts minimum rms per channel, continuous power output, both channels driven at 8 Ohms from 20 to 20,000Hz, with no more than 0.02% T.H.D.
- Full complementary OCL-DC power output stages
- BTL switch converts unit to 90W mono amplifier
- Remarkably flat DC (0Hz) to 70,000Hz frequency response (+0, -1dB)
- Toroidal power transformer for stable power supply and minimum hum (flux) leakage
- Two speaker systems selector



### C12/C12B STEREO PREAMPLIFIER

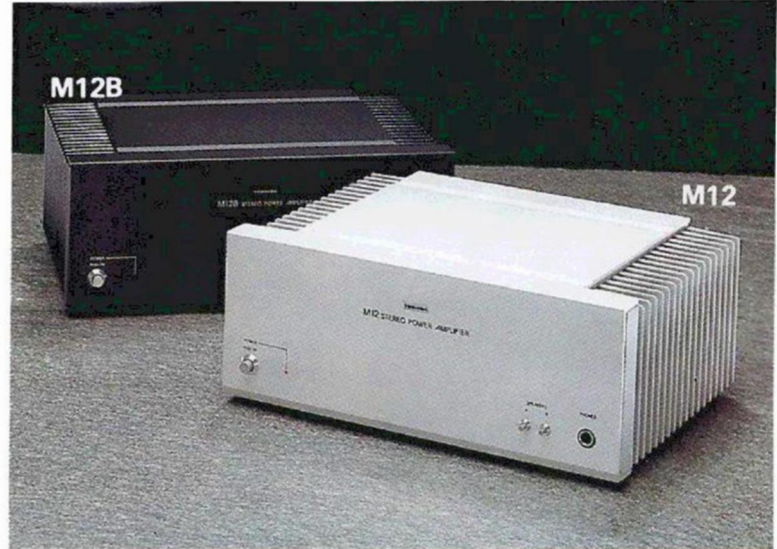
- 5-component connection capability including 2-tape systems with integral dubbing
- Microphone mixing volume control
- Loudness compensation
- Efficient 78dB signal/noise (PHONO) with close  $\pm 0.5$ dB RIAA equalization
- Ultra low noise and low distortion circuitry





### F15/F15B DIGITAL SYNTHESIZER FM STEREO TUNER

- Memory preset up to 10 broadcast stations
- Digital synthesizer scan tuning
- 5-point LED signal strength indicator
- Large digital frequency readout
- Record calibration signal
- 10.8dBf (0.95 $\mu$ V) 75 Ohms



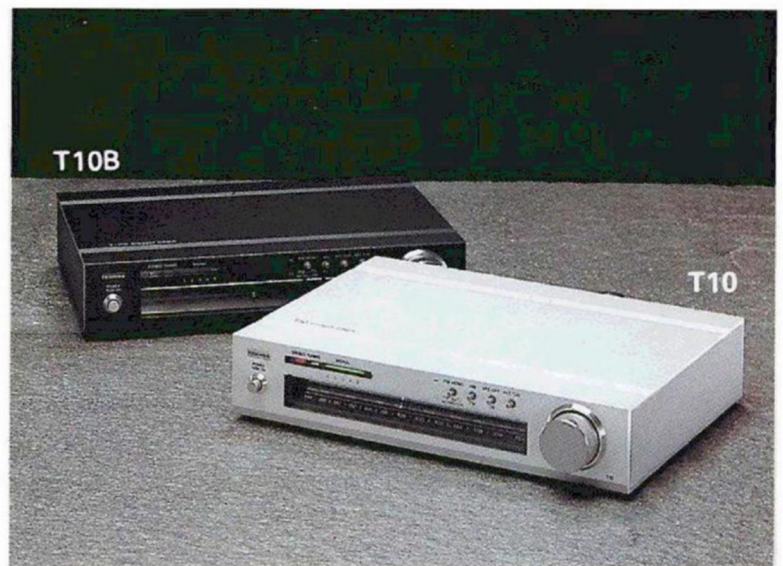
### M12/M12B STEREO POWER AMPLIFIER

- 30 Watts minimum rms per channel continuous power output, both channels driven at 8 Ohms from 20 to 20,000Hz with no more than 0.04% T.H.D.
- Heavy-duty toroidal transformer
- Two speaker systems selector
- Large diecast aluminum head sinks for efficient heat dissipation
- LED power indicator



### C15/C15B DC STEREO PREAMPLIFIER

- Phono 1,2 inputs
- Superb 88dB signal/noise (PHONO)
- LED mode position indicators
- Subsonic filter with tone defeat RIAA accuracy within  $\pm 0.2$ dB
- Two AC outlets (switched, unswitched 150W each)



### T10/T10B FM/AM STEREO TUNER

- Large, easy-to-read linear tuning scale
- Superb 0.95 $\mu$ V sensitivity (75 Ohms)
- Record calibration signal
- Center tuning and signal strength
- LED indicators
- Effective auto pilot canceller-PLL IC design
- 10.8dBf (0.95 $\mu$ V) 75 Ohms

D12B



D12



## D12/D12B

### STEREO CASSETTE TAPE DECK

● IC logic-controlled feather-touch operation ● Super AP rec./play head ● LED digital peak meters ● Metal tape capability (4 tape position) ● Low 0.04% wow & flutter ● Auto repeat ● Rec mute switch ● Timer stand-by mode ● Memory counter ● Dolby\* noise reduction system

D10B



D10

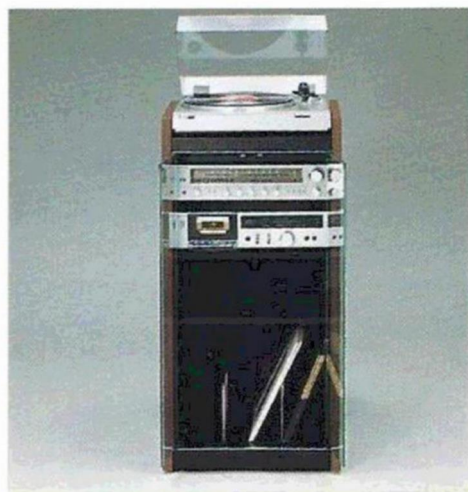


## D10/D10B

### STEREO CASSETTE TAPE DECK

● Metal tape capability ● Direct-loading mechanism ● LED digital peak meters ● Super AP rec./play head ● Auto repeat/play function ● Low 0.05% wow & flutter ● Cue/review controls ● Dolby\* noise reduction system ● Output level matching control

# Racks



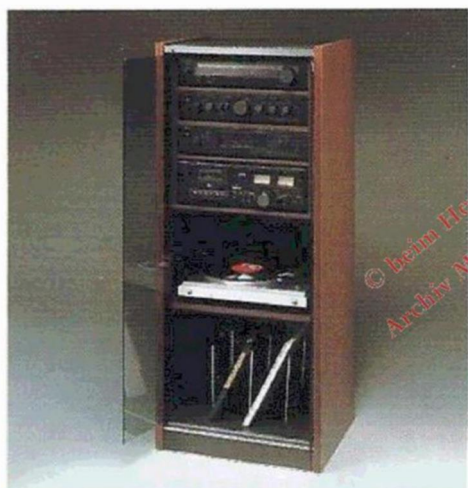
## TAR-7

Dimensions (WxHxD): 473x990  
x394mm (18.6x39x15.5")  
Weight: 34.1kg (75 lbs.)



## TAR-3M

Dimensions (WxHxD): 1,067x  
736x414mm (42x29x16.3")  
Weight: 50kg (110 lbs.)



## TAR-5R

Dimensions (WxHxD): 533x  
1,322x442mm (21x52x17.4")  
Weight: 53.2kg (117 lbs.)



## AR-225V

Dimensions (WxHxD): 466x  
1,006x397mm (18.4x39.6x6")  
Weight: 18.4kg (40.5 lbs.)



## TAR-4R

Dimensions (WxHxD): 476x  
1,104x375mm (18.8x43.5x  
14.8") Weight: 29.1kg (64 lbs.)



## AR-15VU

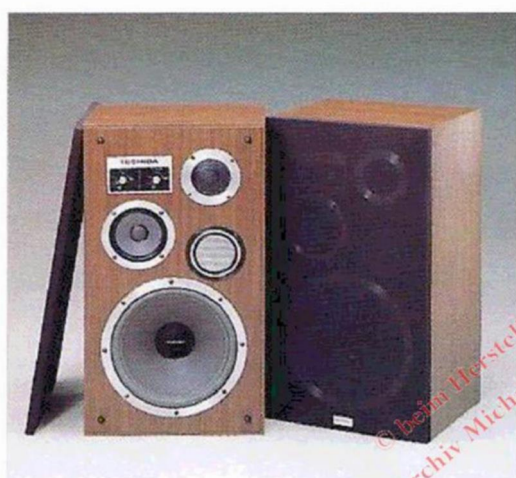
Dimensions (WxHxD): 470x720  
x360mm (18.5x28.4x14.2")  
Weight: 18.5kg (40.7 lbs.)

# Speaker Systems



## SS-X7

- Max. 100W power rating
- 3-way: Woofer 305mm (12"), tweeter 127mm (5"), super tweeter 100mm (4")
- WxHxD: 362x642x298mm (14.3x25.3x11.8")
- Weight: 17.3kg (38.0 lbs.)



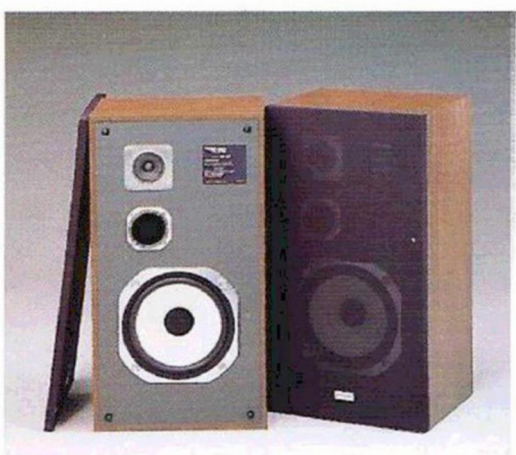
## SS-X5

- Max. 75W power rating
- 3-way: Woofer 254mm (10"), tweeter 127mm (5"), super tweeter 100mm (4")
- WxHxD: 320x584x260mm (12.6x23x10.3")
- Weight: 12.7kg (28.0 lbs.)



## SS-X3

- Max. 75W power rating
- 2-way: Woofer 203mm (8"), tweeter 100mm (4")
- WxHxD: 295x533x248mm (11.6x21x9.8")
- Weight: 9.5kg (21.0 lbs.)



## SS-X2

- Max. 40W power rating
- 2-way: woofer 203mm (8"), tweeter 76mm (3")
- WxHxD: 305x584x235mm (23x12x9.3")
- Weight: 8.2kg (18.0 lbs.)

# Stereo Headphones



## HR-10M

•Dynamic type •Frequency response: 20-20,000Hz •Sensitivity: 97dB/mW •Weight: 50g (1.8 oz.)



## HR-X1

•Complementary back-electret condenser headphones •Extra low mass (only 2.5 micron thick) diaphragm for excellent transient response •Frequency response: 20-20,000Hz •Sensitivity: 101dB/3V •Weight: 160g (5.6 oz.)



## HR-F1

•Complementary back-electret condenser headphones •Light mass (only 4 micron thick) diaphragm for improved transient response •Frequency response: 20-20,000Hz •Sensitivity: 101dB/3V •Weight: 170g (6 oz.)



## HR-811

•Complementary back-electret condenser headphones •Extra low mass (only 2.5 micron thick) diaphragm for excellent transient response •Ultra low harmonic distortion •Frequency response: 20-20,000Hz •Sensitivity: 101dB/3V •Weight: 240g (8.5 oz.)

# Microphone



## EM-420

•Back-electret uni-directional condenser microphone designed for fast transient response •Rugged design to resist external mechanical vibrations •Complete with wind screen •50-20,000Hz response



## EM-220

•Back-electret condenser microphone designed for fast transient response •50-18,000Hz response



# TOSHIBA

...In Touch with Tomorrow

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