



# PFT® 10-05-6-MA

## Planar Ribbon Tweeter

**Design Concept:**

Planar Ribbon  
Monopole Radiating,  
Extended High Frequency  
Transducer

**Acoustic Specifications:**

Frequency Response: 5.5 kHz – 40 kHz, -3dB  
5.0 kHz – >50 kHz, -6dB

Sensitivity: 90.0 dB / 2.83V / 1m  
(Averaged 4kHz – 20kHz)  
89.0 dB / 2.83V / 1m  
(Averaged 4kHz – 50kHz)

Recommended Crossover: 4.5 kHz 12 dB / oct HPF

Nominal Power Handling: 50 Wrms @ input of  
12 dB / oct HPF @ 4.5 kHz

Maximum Power Handling: 75 Wrms @ input of  
12 dB / oct HPF Q < 0.65  
@ 5.0 kHz

Maximum Thermal Limit: 5 Wrms @ input of transducer

Total Harmonic Distortion: <1% @ 1W signal input

Nominal Impedance: 5.5Ω ± 0.8Ω  
Resistive (DC – 50 kHz)

**Life Test Specifications:**

EIA-426B Life Test: Passed – 50 & 75 Wrms  
@ Crossover Input

IEC-268 Life Test: Passed – 50 & 75 Wrms  
@ Crossover Input

**Mechanical Specifications:**

Weight: 60g

Dimensions (L x W x D): 80mm x 50mm x 10mm

Magnets: NEO 35 grade magnet

Connector Type: Solder tab electrical terminals

**Environmental Specifications:**

Operating Temperature Range  
(+5°C to +40°C) Passed

Dry Heat Test  
(+70°C) Passed

Storage Temperature Tests:  
Dry Heat Test (+55°C) Passed

Shock and Drop Test  
(0.75m): Passed

UV Exposure Test: Passed

**Applicable Patents:** Patents Pending

