

GRS PZ1005 PIEZO HORN TWEETER

No maker datasheet exists: not from GRS, nor from CTS or Motorola, who made the KSN1005A it copies. We wrote this one. The ratings are the seller's (Parts Express 292-442, read 2026-10-23); our estimates are marked. Eight of these make the piezo plate (Section 8).

RATINGS, AS PUBLISHED

Copy of	Motorola KSN1005A, CTS recipe
Element	22 mm ceramic piezo disc
Frequency response	4,000-27,000 Hz
Sensitivity	94 dB, 1 W / 1 m
Power	50 W RMS, 75 W max

DIMENSIONS

A, flange	3-1/4 in
B, cutout	3-1/16 in
C, depth	2-1/2 in

ELECTRICAL

A capacitor, not a coil: the impedance rises as the frequency falls, so it needs no crossover. Each pair gets a series resistor to keep the load up at the top (Section 8).

Capacitance	unpublished; about 0.1-0.2 uF
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DISPERSION (ESTIMATE)

None published; the "90 deg" on seller pages is the 2 x 6 in horns'. Treating the 3 in mouth as a piston, plus or minus 30 percent, the width at -6 dB, the same up and down as across, is:

5 kHz	80 deg
8 kHz	47 deg
10 kHz	37 deg
12.5 kHz	30 deg
16 kHz	23 deg