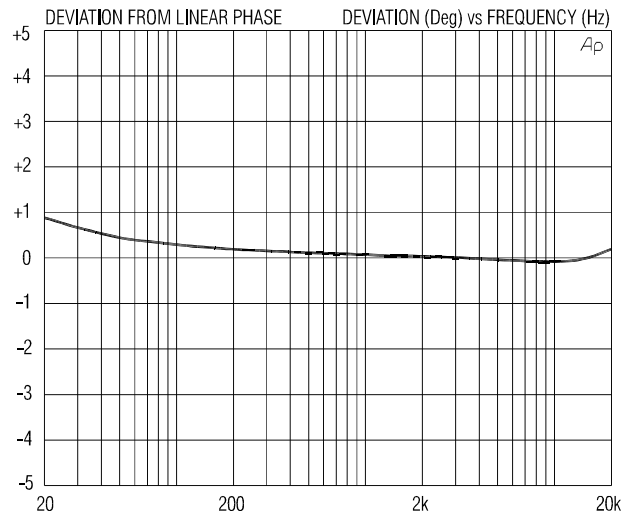
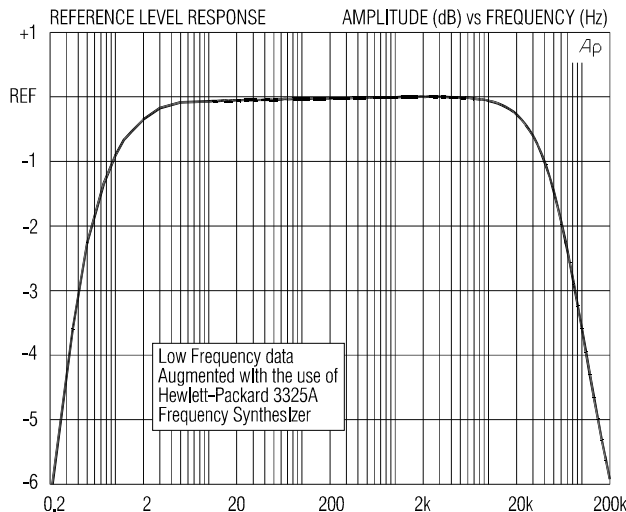
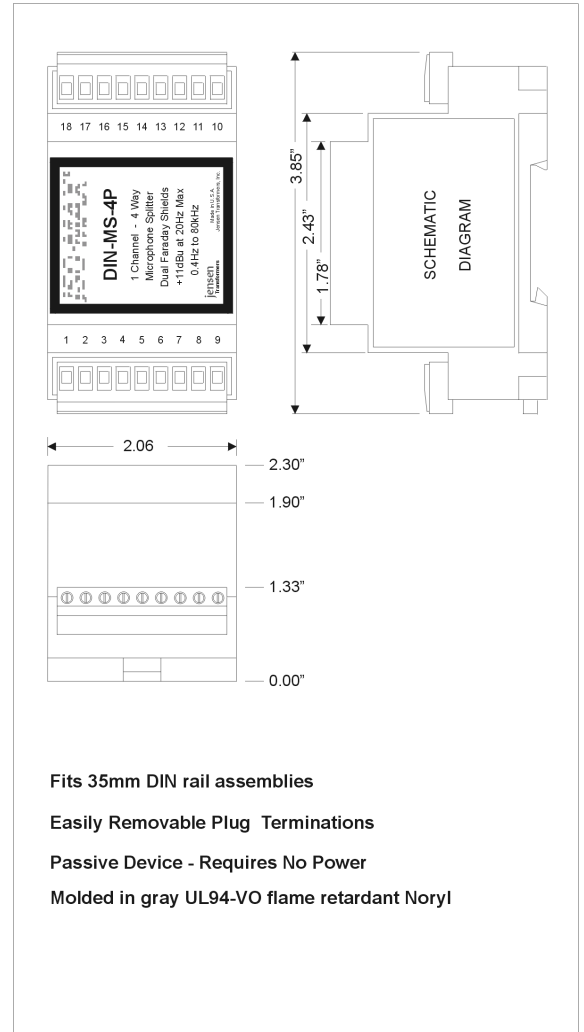
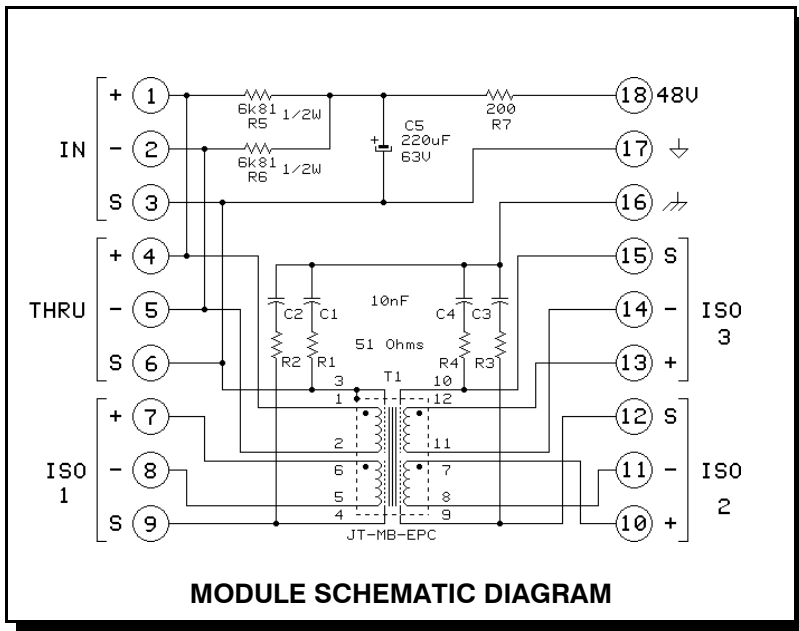


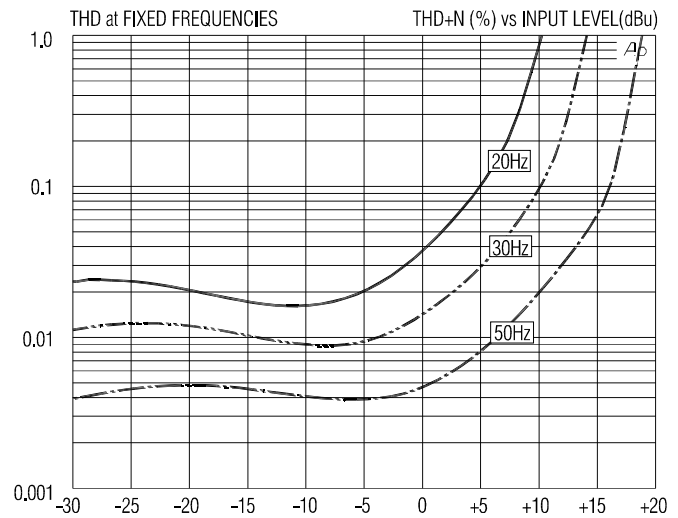
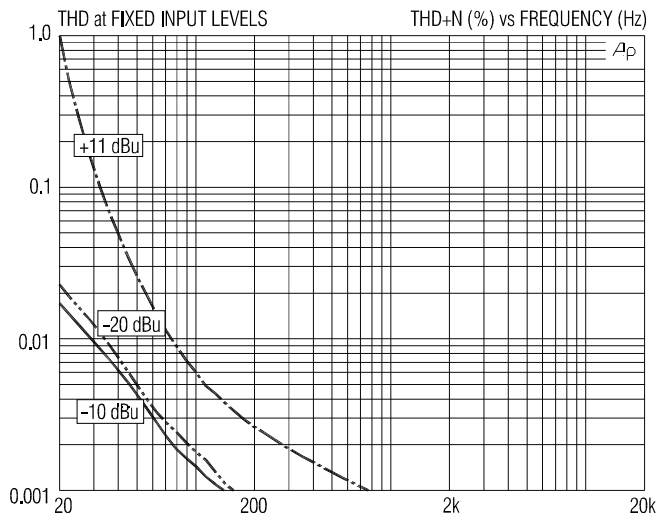
PRELIMINARY

DIN RAIL MIC BRIDGING MODULE
4 WAY SPLITTER WITH PHANTOM POWER CIRCUITRY

- Provides 3 additional, isolated balanced outputs as mic "splitter"
- Stops "ground loop" problems when a mic feeds multiple preamps
- High common-mode rejection: 120 dB @ 60 Hz
- Excellent frequency response and time domain performance
- Low insertion loss: 2.2 dB typical

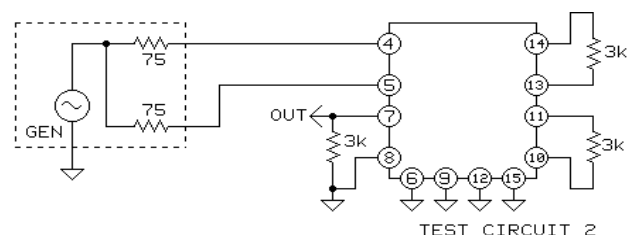
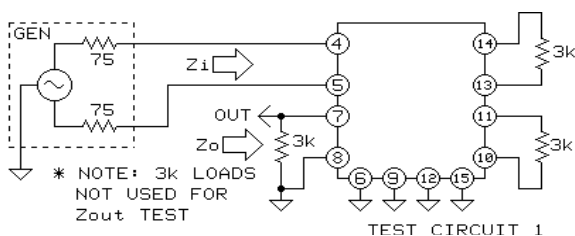
This unit is designed to provide 3 additional, isolated microphone level outputs when driven from a 150 Ω microphone source. The use of individual Faraday shields on each winding produces excellent RF attenuation and high common mode rejection. A 30 dB magnetic shield package is standard.





DIN-MS-4P SPECIFICATIONS (apply to any secondary, all levels are input unless noted)

| PARAMETER | CONDITIONS | MINIMUM | TYPICAL | MAXIMUM |
|---|---|-----------|--------------------|---------|
| Input impedance, Zi | 1 kHz, -20 dBu, test circuit 1 | 980 Ω | 1k Ω | 1.02k Ω |
| Voltage gain | 1 kHz, -20 dBu, test circuit 1 | -2.5 dB | -2.2 dB | -2.0 dB |
| Magnitude response, ref 1 kHz | 20 Hz, -20 dBu, test circuit 1 | -0.1 dB | -0.05 dB | ±0.0 dB |
| | 20 kHz, -20 dBu, test circuit 1 | -0.5 dB | -0.27 dB | -0.1 dB |
| Deviation from linear phase (DLP) | 20 Hz to 20 kHz, -20 dBu, test circuit 1 | | +0.9/-0° | ±2.0° |
| Distortion (THD) | 1 kHz, -20 dBu, test circuit 1 | | <0.001% | |
| | 20 Hz, -20 dBu, test circuit 1 | | 0.022% | 0.08% |
| Maximum 20 Hz input level | 1% THD, test circuit 1 | +9 dBu | +11 dBu | |
| Common-mode rejection ratio (CMRR) 150 Ω balanced source | 60 Hz, test circuit 2 | | 120 dB | |
| | 3 kHz, test circuit 2 | 75 dB | 85 dB | |
| Output impedance, Zo | 1 kHz, test circuit 1 | | 285 Ω | |
| DC resistances | primary (4,5) | | 72 Ω | |
| | secondaries 1 (7,8) 2(10,11) 3(13,14) | | 71 / 80 / 62 Ω | |
| Capacitances @ 1 kHz | primary (7,8) to shield | | 275 pF | |
| | secondaries 1 (7,8) 2(10,11) 3(13,14) to shield | | 410 / 420 / 347 pF | |
| Turns ratio | primary to any secondary | 1:0.999 | 1:1.000 | 1:1.001 |
| Temperature range | operation or storage | 0° C | | 70° C |
| Breakdown voltage (see IMPORTANT NOTE below) | primary or secondary to shield and case, 60 Hz, 1 minute test duration | 250 V RMS | | |



All minimum and maximum specifications are guaranteed. Unless noted otherwise, all specifications apply at 25°C. Specifications subject to change without notice. All information herein is believed to be accurate and reliable, however no responsibility is assumed for its use nor for any infringements of patents which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Jensen Transformers, Inc.
IMPORTANT NOTE: This device is NOT intended for use in life support systems or any application where its failure could cause injury or death. The breakdown voltage specification is intended to insure integrity of internal insulation systems; continuous operation at these voltages is NOT recommended. Consult our applications engineering department if you have special requirements.

JENSEN TRANSFORMERS, INC., 7135 Hayvenhurst Avenue, Van Nuys, CA 91406-3807, USA
(818) 374-5857 • FAX (818) 374-5856 • www.jensen-transformers.com