

56 kbps Line-Matching Transformer - MTLM 2056 series



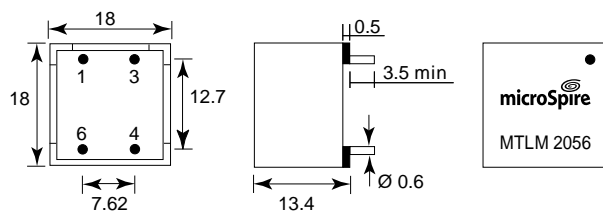
- Low signal distortion for 56 kbps transmission (V.90)
- Low leakage inductance
- Meet EN 41003 and EN 60950
- Operating temperature range: -25°C to +70°C
- Weight: 13 grams

Electrical Data

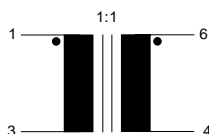
Parameter	MTLM 2056	MTLM 2056C
Primary Impedance (pins 1-3)	600 ohms	600 ohms
Secondary Impedance (pins 4-6)	600 ohms	600 ohms
Turns Ratio @ 1 kHz	1 : 1 ± 1 %	1 : 1 ± 1 %
Shunt Inductance @ 200 Hz-10mV	≥ 7 H	≥ 9 H
Shunt Impedance @ 200 Hz-10mV	≥ 25 Kohms	≥ 7.5 Kohms
Leakage Inductance @ 1 KHz	≤ 25 mH	2.5 mH
Primary DC Resistance	100 ohms ± 15 %	86 ohms ± 15%
Secondary DC Resistance	100 ohms ± 15 %	108 ohms ± 15%

Parameter	MTLM 2056	MTLM 2056C
Insertion Loss @ 1 kHz	1.5 dB ± 0.25	1.25 dB ± 0.25
Frequency Response (100 to 4000 Hz)	± 0.5 dB	± 0.10 dB
Return Loss (300 Hz to 4000 Hz)	16 dB min	24 dB min
Distorsion @ 200 Hz, -3dBm	-75 dB max	-75 dB max
Input DC current, max	0 mA	0 mA
Dielectric Strength (2 sec)	4 KVrms	3 KVrms
Storage Temperature Range	-40°C to +85° C	-40°C to +85° C
Operating Temperature Range	-25°C to +70° C	-25°C to +70° C

Dimensions (mm)



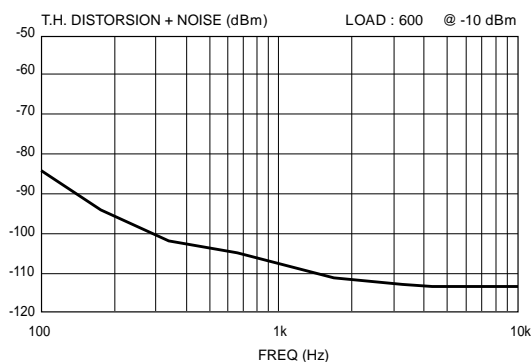
Connections



Packaging

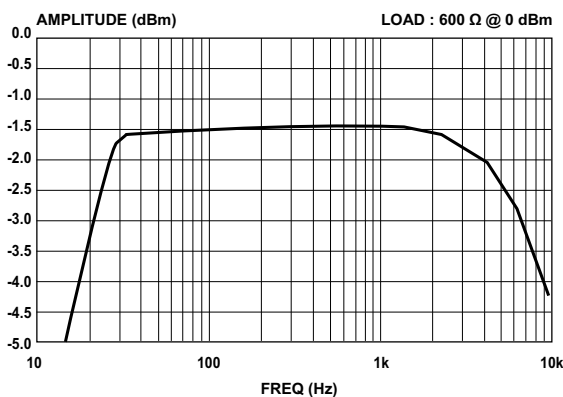
Waffle tray: 100 pieces

Distorsion

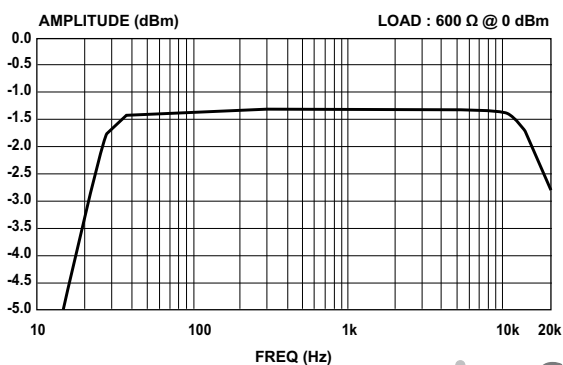


Frequency Response

MTLM 2056



MTLM 2056C



Construction

The MTLM 2056 is manufactured from materials conforming to flammability requirements of UL 94-V0 and EN 60950. It is constructed and fully encapsulated in accordance with EN 60950 and EN 41003 (reinforced), 250 Vrms maximum working voltage.

- Reinforced Isolation
- Frequency response 30 Hz to 5 kHz

The MTLM 2056C is manufactured from materials conforming to flammability requirements of UL 94-V0 and EN 60950. It is constructed and fully encapsulated in accordance with EN 60950 and EN 41003 (reinforced), 250 Vrms maximum working voltage.

- Extended bandwidth
- Frequency response 30 Hz to 15 kHz