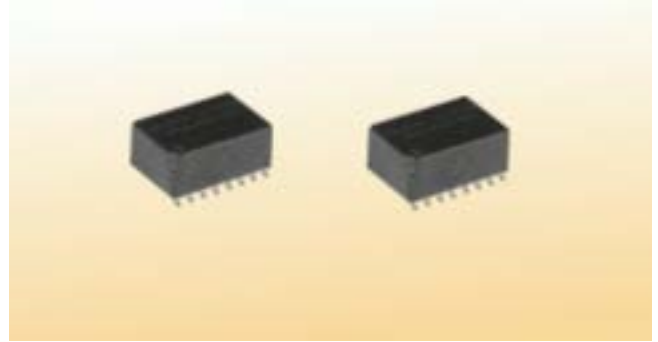


Features

- SMD design ideal for pick and place compatibility while providing unrivaled coplanarity
- controlled parameters ensure full compliance with ITU-T G.703 when matched with recommended IC
- 1500 Vrms minimum isolation voltage
- ideal for all 1.544 and 2.048 Mbs interface applications
- manufactured in ISO-9001 approved TALEMA facility
- extended operating temperature -40° to 85°C for all types

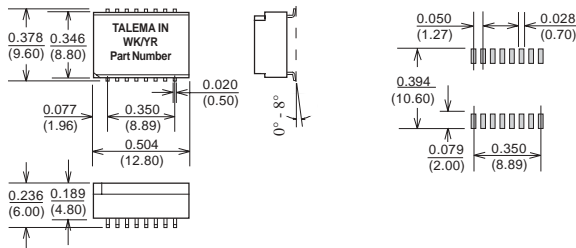


Electrical Specifications @ 25°C

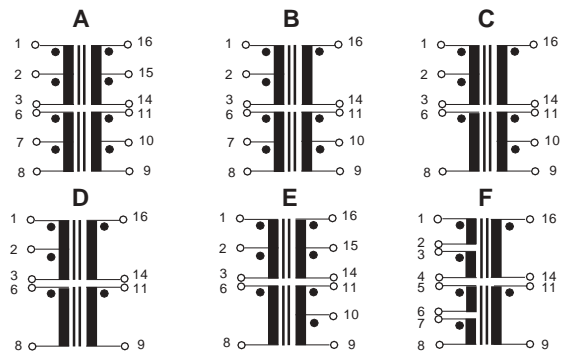
Turns Ratio: **Bold** = IC side windings

| MJM Series - Dual Transformers | | | | | | | | | | | | | |
|--------------------------------|--------------------|-------------------------|------------------------|------|-----------|-----------|--------------------|-------------------------|------------------------|------|-----------|-----------|-----------|
| Part Number | Transformer - I | | | | | | Transformer - II | | | | | | Schematic |
| | Turns Ratio +/-5% | L _P (mH Min) | R _{CU} (Ohms) | | Pri. Pins | Sec. Pins | Turns Ratio +/-5% | L _P (mH Min) | R _{CU} (Ohms) | | Pri. Pins | Sec. Pins | |
| | | | Pri. | Sec. | | | | | Pri. | Sec. | | | |
| MJM-010 | 1ct: 1.41ct | 1.2 | 0.41 | 0.58 | 16-15-14 | 1-2-3 | 1ct: 1.41ct | 1.2 | 0.41 | 0.58 | 11-10-9 | 6-7-8 | A |
| MJM-013 | 1ct: 1.15ct | 1.2 | 0.39 | 0.44 | 1-2-3 | 16-15-14 | 1ct: 1.15ct | 1.2 | 0.39 | 0.44 | 6-7-8 | 11-10-9 | A |
| MJM-016 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 6-7-8 | 11-10-9 | 1ct: 2.3ct | 1.2 | 0.39 | 0.88 | 16-15-14 | 1-2-3 | A |
| MJM-017 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 16-15-14 | 1-2-3 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 6-7-8 | 11-10-9 | A |
| MJM-018 | 1ct: 1ct | 1.2 | 0.39 | 0.38 | 16-15-14 | 1-2-3 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 6-7-8 | 11-10-9 | A |
| MJM-019 | 1: 1.15ct | 1.2 | 0.39 | 0.44 | 16-14 | 1-2-3 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 6-7-8 | 11-10-9 | B |
| MJM-021 | 1ct: 1.41ct | 1.2 | 0.41 | 0.58 | 1-2-3 | 16-15-14 | 1ct: 1.41ct | 1.2 | 0.41 | 0.58 | 11-10-9 | 6-7-8 | A |
| MJM-022 | 1ct: 1ct | 1.0 | 0.39 | 0.39 | 11-10-9 | 6-7-8 | 1ct: 2.4ct | 1.0 | 0.41 | 0.90 | 1-2-3 | 16-15-14 | A |
| MJM-023 | 1: 1ct | 1.2 | 0.39 | 0.39 | 16-14 | 1-2-3 | 1: 1ct | 1.2 | 0.39 | 0.39 | 6-8 | 11-10-9 | C |
| MJM-025 | 1: 1/1.26 | 1.2 | 0.39 | 0.48 | 16-14 | 1-2-3 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 6-7-8 | 11-10-9 | B |
| MJM-026 | 1ct: 1ct | 1.2 | 0.39 | 0.39 | 16-15-14 | 1-2-3 | 1ct: 1.5ct | 1.2 | 0.39 | 0.58 | 6-7-8 | 11-10-9 | A |
| MJM-027 | 1: 2ct | 1.6 | 0.41 | 0.83 | 16-14 | 1-2-3 | 2:1 | 1.6 | 0.41 | 0.21 | 6-8 | 11-9 | D |
| MJM-028 | 1ct: 2ct | 1.2 | 0.39 | 0.77 | 16-15-14 | 1-2-3 | 1: 1.36ct | 1.2 | 0.39 | 0.52 | 6-8 | 11-10-9 | E |
| MJM-029 | 1: 2.42ct | 1.2 | 0.39 | 0.94 | 16-14 | 1-2-3 | 1: 2.42ct | 1.2 | 0.39 | 0.94 | 6-8 | 11-10-9 | C |
| MJM-030 | 2:1:1 | 1.2 | 0.46 | 0.26 | 16-14 | 1-2, 3-4 | 2:1:1 | 1.2 | 0.46 | 0.26 | 11-9 | 5-6, 7-8 | F |
| MJM-032 | 1:2.42 | 1.2 | 0.39 | 0.94 | 16-14 | 1-2-3 | 1: 1ct | 1.2 | 0.39 | 0.39 | 6-8 | 11-10-9 | C |

Package



Schematic



Sales & Marketing, Design and Manufacturing Facilities

<http://www.talema-nuvotem.com>

Eastern Europe & Czech Republic

NT MAGNETICS s.r.o.
Jablonského 7
326 00 Plzeň
Tel: Int. + 420 37 - 744 9303
Fax: Int. + 420 37 - 744 3697
Email: talema@talema.cz

Germany

TALEMA ELEKTRONIK GMBH
Riesstr. 8, Postfach 2523
82110 Germering
Tel: Int. + 49 89 - 841 00 - 0
Fax: Int. + 49 89 - 841 00 25
Email: info@talema.isar.de

Ireland

NUVOTEM TEO.
Crolly
Co. Donegal
Tel: Int. + 353 74 - 954 8666
Fax: Int. + 353 74 - 954 8139
Email: info@nuvotem.com

India

TALEMA ELECTRONIC PVT. LTD.
Opposite the SIDCO Industrial Estate
Gins Towers
4/5S.H/1, Omalur Main Road
Salem - 636 004, Tamil Nadu
Tel: Int. + 91 427 - 244 1325
Fax: Int. + 91 427 - 243 0034
E-mail: talema@talemaindia.com