

WIDEBAND RF TRANSFORMERS

CM4006 SERIES



FEATURES:

- LCP Base
- High Frequency Design
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging: Tape & Reel is standard
Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard,
tighter tolerances available

COMMON APPLICATIONS:

- Datalline Noise Suppression
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

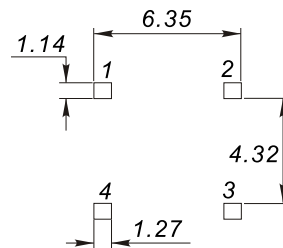
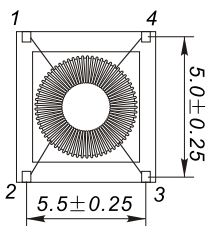
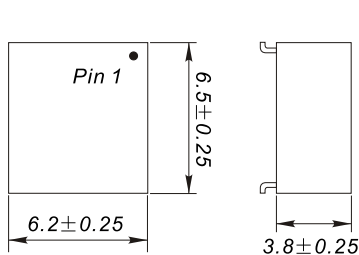
ELECTRICAL CHARACTERISTICS:

Part Number	Impedance ratio pri:sec	Bandwidth MHz	Idc mA	Insertion loss max dB	L(1-2) min uH	Pins1-2 DCR max Ohms	L(4-3) min uH	Pins4-3 DCR max Ohms	Typical frequency response		
									3 dB	2 dB	1 dB
CM4006-01	1:1	0.08-450	250	0.60	40	0.070	40	0.070	0.08-450MHz	0.13-325MHz	0.30-190MHz
CM4006-02	1:1.5	0.03-300	250	0.35	110	0.080	160	0.110	0.03-300MHz	0.035-250MHz	0.06-150MHz
CM4006-03	1:2	0.05-200	250	0.25	75	0.088	150	0.120	0.05-200MHz	0.06-160MHz	0.10-100MHz
CM4006-04	1:4	0.15-500	250	0.50	25	0.075	98	0.135	0.15-500MHz	0.24-300MHz	0.60-140MHz
CM4006-05	1:16	0.05-80	250	0.35	75	0.260	1250	0.910	0.05-80MHz	0.06-75MHz	0.11-30MHz
CM4006-06	1:1	0.0035-125	250	0.20	780	0.320	780	0.320	0.0035-125MHz	0.0045-100MHz	0.007-80MHz
CM4006-07	1:1	0.03-250	250	0.20	95	0.200	95	0.200	0.03-250MHz	0.04-225MHz	0.06-200MHz
CM4006-08	1:1.5	0.07-225	250	0.40	51	0.130	80	0.145	0.07-225MHz	0.10-200MHz	0.20-125MHz
CM4006-09	1:4	0.15-400	250	0.40	25	0.115	95	0.160	0.15-400MHz	0.25-350MHz	0.80-250MHz

Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

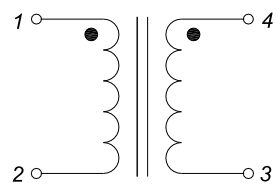
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



Recommended Land Pattern

WINDING:



- Tapped and untapped versions
- 400V interwinding isolation, 1/4 Watt Therefore input power
- 250mA max current rating
- Core material Ferrite
- Terminations RoHS compliant tin-silver-copper over silver-platinum-glass frit. Other terminations available at additional cost.
- Weight 0.37-0.43g
- Ambient temperature -40°C to +85°C.
- Packaging -40°C to +85°C.
- Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C/85% relative humidity)
- Mean Time Between Failures (MTBF) 16,666,667 hours
- Packaging 1000 per 13" reel; Plastic tape: 16mm wide, 0.34mm thick, 12mm pocket spacing, 4.83mm pocket depth
- PCB washing Only pure water or alcohol recommended

Note: All specifications subject to change without notice.