



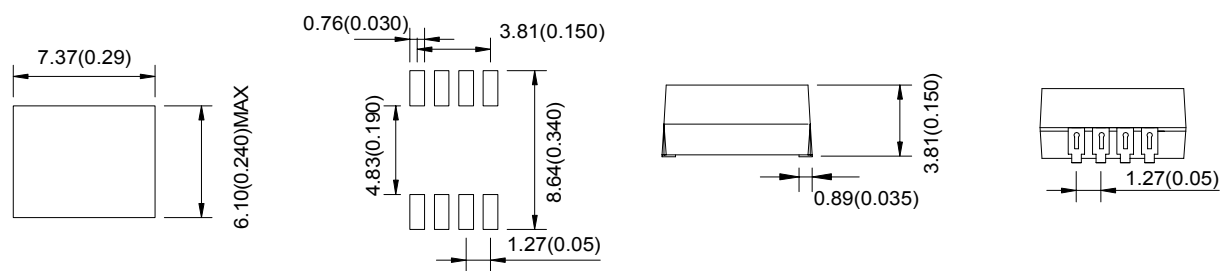
COMMON MODE CHOKES

COMMON MODE CHOKES
For Telecom Applications, Extended Temperature Range

- Features:
- 8-Pin, Low-profile small surface mount package
 - Optimized for radiated emissions to improve noise immunity
 - 23.5°C peak reflow temperature rating

Electrical Specifications @ 25°C-- Operating Temperature -40°C to 85°C						
Part Number	Primary inductance OCL (uH MIN)	Common mode Attenuation (dB Min)				DCR (Ω MAX)
		1MHz	10MHz	100MHz	500MHz	
MC8051	35	-10	-15	-12	-5	0.15
MC8052	35	-10	-15	-12	-5	0.20
MC8055	5	-8	-12	-15	-5	0.25

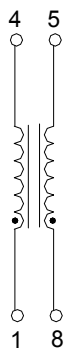
Mechanical



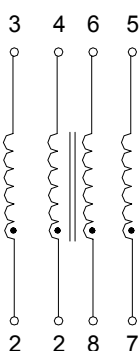
Unit: mm (inch)
Tolerances: ±0.25 (±0.10)

Schematic

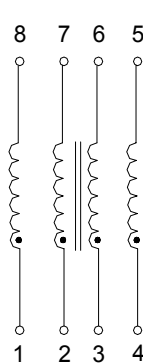
MC8051



MC8052



MC8055





COMMON MODE CHOKES

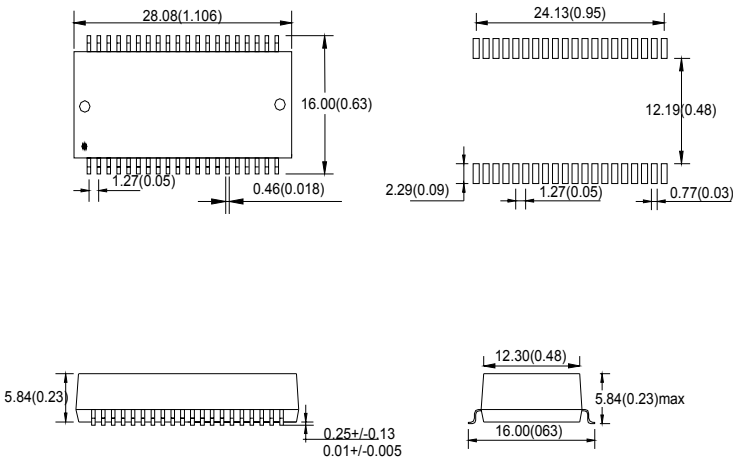
8X 2 LINE COMMON MODE CHOKE
Designed for Quad Port T1/E1 Applications

Features:

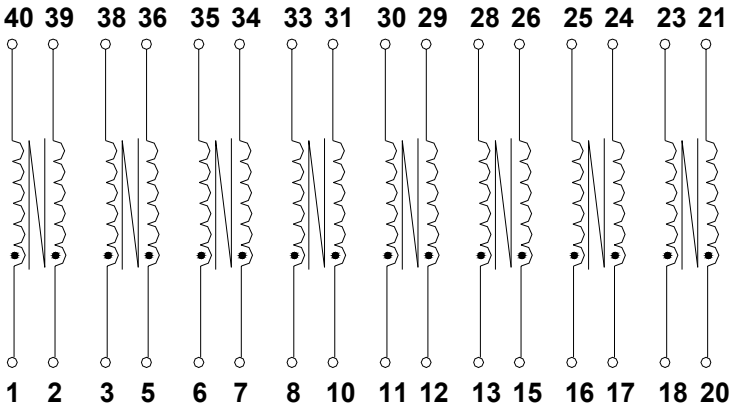
- For quad port T1/E1 applications
- Meets high performance EMI reduction required for multiplexers, channel routers and ISP servers
- Common mode attenuation from 100 KHz to 500 MHz

Electrical Specifications @ 25°C-- Operating Temperature 0°C to 70°C												
Part Number	No. Of Lines	Primary inductance OCL (uH MIN)	Common mode Attenuation (dB TYP)									DCR (Ω MAX)
			100KHz	1MHz	10MHz	30MHz	50MHz	100MHz	300MHz	500MHz	1GHz	
MC8008	16	47	7	27	40	44	42	36	26	-	-	0.40

Mechanical



Schematic





COMMON MODE CHOKES

SURFACE MOUNT COMMON MODE CHOKES

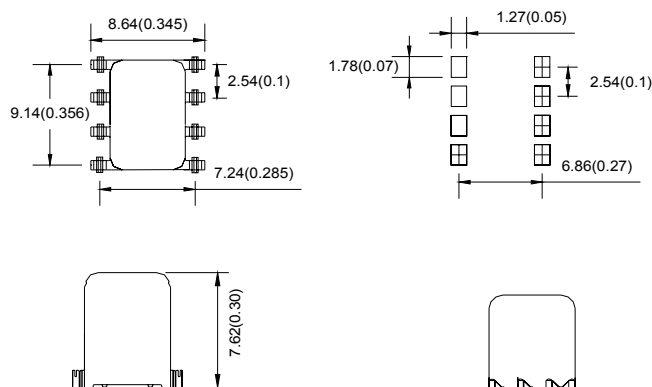
Features:

- Small surface mount package.
- Designed for 4 wire links, ISDN-S/T and T1'E1/CEPT.
- High frequency choke for EMI reduction.
- Low frequency choke for improved longitudinal balance in ISDN-S/T links.

Electrical Specifications @ 25°C-- Operating Temperature -40°C to +85°C

Part Number	OCL Primary ($\pm 30\%$)	LL Sec (μH Max)	Cw/w (pF Max)	DCR (Ω Max)	Isolation (Vrms Min)
MC8005	4.7mH	2.5	75	1.4	500
MC8006	470 μH	0.9	30	0.6	500

Mechanical



Unit: mm(inch)
Tolerances: $\pm 0.25(\pm 0.10)$

Schematic

