



## COMMON MODE CHOKES

For Telecom Applications, Extended Temperature Range

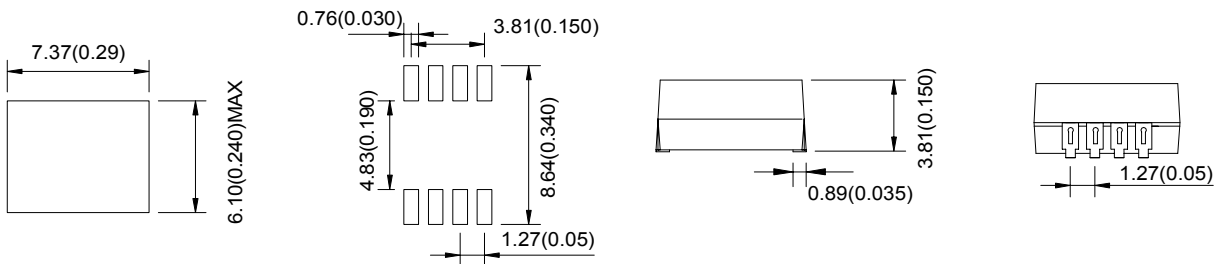
### Features:

- 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

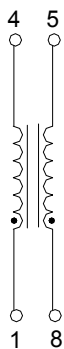
### Mechanical



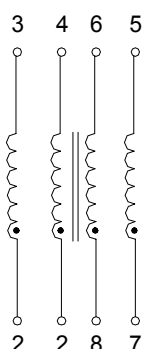
Unit: mm(inch)  
Tolerances: ±0.25(±0.10)

### Schematic

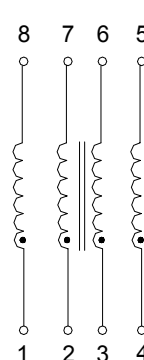
MC8051



MC8052



MC8055





**COMMON MODE CHOKES**

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

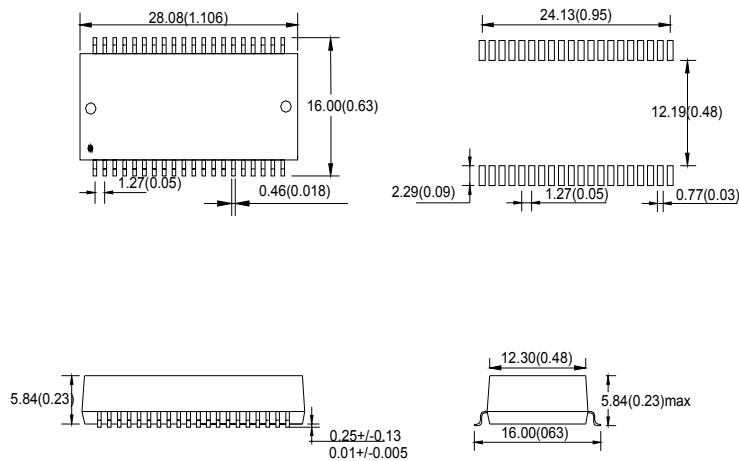
**Features:**

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

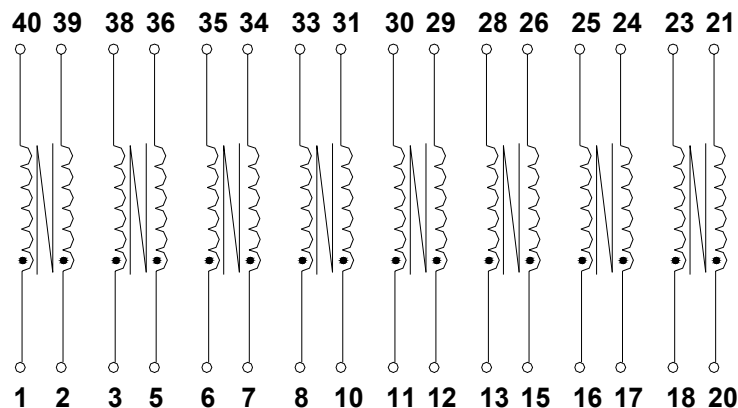
**Electrical Specifications @ 25°C-- Operating Temperature 0°Cto70°C**

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**

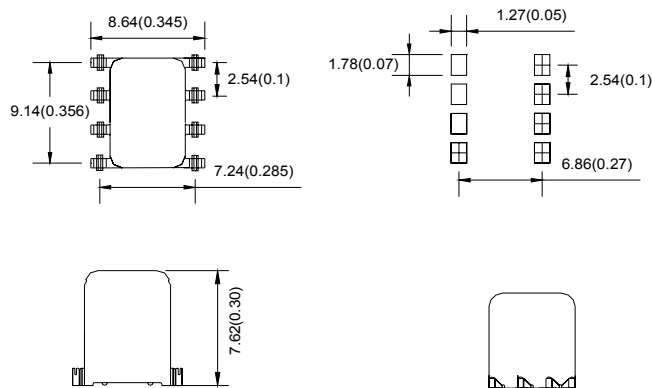
**Features:**

- 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 (±30%)	LL Sec (Uh Max)	Cw/w (pF Max)	DCR (ΩMax)	Isolation (Vrms Min)
MC8005	4.7mH	2.5	75	1.4	500
MC8006	470uH	0.9	30	0.6	500

**Mechanical**



**Schematic**

