



# Common Mode Toroids YCEM Series

## Applications :

- EMI filters.
- Personal computers..
- Communication equipment.

## Features :

- Common mode for DC power lines.
- Single layer winding for minimum capacitance.
- meets UL 94V-0 flammability standard.

## Characteristics :

- Rated DC Current: The current when temperature of coil Increases up to Max.  $\Delta T=20^{\circ}\text{C}$ . ( $T_a=20^{\circ}\text{C}$ )
- Rated voltage : DC 50V.
- Operating temperature :  $-25^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ .
- Dielectric strength : 200VDC(1minute between lines)
- Insulation resistance : 10M $\Omega$  Min(100VDC, between lines).

## TECHNICAL INFORMATION

Part No.	L1=L2 (uH)	DCR (m $\Omega$ )	Rated current (A) Max.
	Min.	Max.	
YCEM707010-6R75U-3A	6.75	20	3.0
YCEM707010-7R7U-2.5A	7.7	30	2.5
YCEM707010-11R9U-2A	11.9	50	2.0

## Characteristics:

- Rated Current : 500mA Max, obtained when temperature rise to  $20^{\circ}\text{C}$ .
- Rated voltage: DC 50V.
- Operating temperature:  $-25^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ .
- Dielectric strength : 50VDC (1minute between lines)
- Insulation resistance: 10M $\Omega$  Min(100VDC,between lines).

Part No.	L1=L2 (uH)	DCR (m $\Omega$ )	Z ( $\Omega$ )
	$\pm 35\%$	Max.	Min.
YCEM648075-150-401	15	35	400
YCEM648075-400-801	40	45	800
YCEM648075-600-102	60	50	1000

