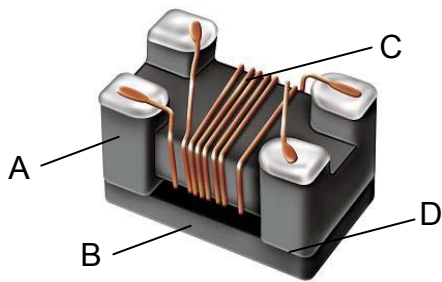


● **STRUCTURE AND MATERIAL**



Part	Components	Material
A	Core	Ferrite
B	I Core	Ferrite
C	Wire	Polyurethane enameled copper wire
D	Epoxy	Epoxy resin

● **ELECTRICAL CHARACTERISTICS**

1. Operating temperature range : $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (Including self - temperature rise)
2. Storage temperature range (packaging conditions): $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$ and RH 70% (Max.)

● **TEST AND MEASUREMENT PROCEDURES**

1. Common Mode Impedance(Ω)

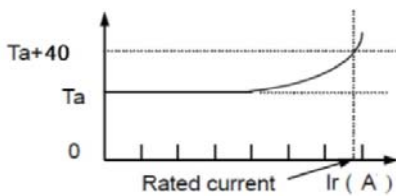
Test equipment: Keysight E4991B / Agilent 4787A or equivalent

2. DC Resistance (DCR)

Test equipment: Agilent34420A / Agilent 4338B or equivalent

3. Rated Current (I_{rms})

I_{rms} is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (T_a)



4. Insulation Resistance

Test equipment: Chroma or equivalent TH2683A / ZX6583

● **RECOMMENDED SOLDERING TECHNOLOGIES**

Re-flowing Profile

Preheat condition: 150~200 /60~120sec.

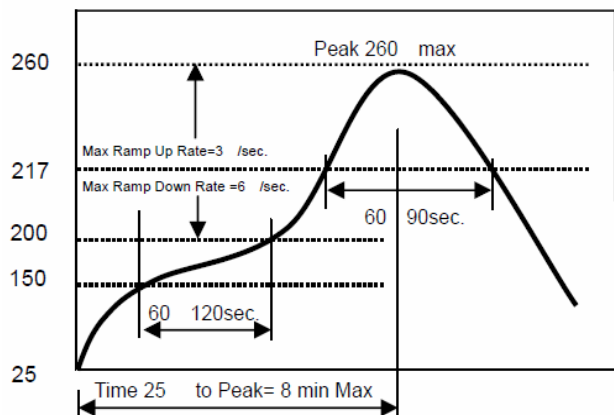
Allowed time above 217C: 60~90sec.

Max temp: 260

Max time at max temp: 10sec

Solder paste: Sn/3.0Ag/0.5Cu

Allowed Reflow time: 2 times max



● SPECIFICATION TABLE:

CMF2012 Series

Part No.	Common Mode Impedance(Ω)	Test Frequency (MHz)	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M Ω) Min.
CMF2012D300PT-HF	30 \pm 25%	100	0.20	450	50	10
CMF2012D670PT-HF	67 \pm 25%	100	0.25	400	50	10
CMF2012D750PT-HF	75 \pm 25%	100	0.30	400	50	10
CMF2012D900-PT-HF	90 \pm 25%	100	0.30	330	50	10
CMF2012D121PT-HF	120 \pm 25%	100	0.30	370	50	10
CMF2012D181PT-HF	180 \pm 25%	100	0.35	330	50	10
CMF2012D201PT-HF	200 \pm 25%	100	0.35	330	50	10
CMF2012D221PT-HF	220 \pm 25%	100	0.40	300	50	10
CMF2012D261PT-HF	260 \pm 25%	100	0.40	300	50	10
CMF2012D371PT-HF	370 \pm 25%	100	0.45	280	50	10
CMF2012D601PT-HF	600 \pm 25%	100	0.60	220	50	10
CMF2012D751PT-HF	750 \pm 25%	100	0.70	180	50	10
CMF2012D801PT-HF	800 \pm 25%	100	0.75	160	50	10
CMF2012D901PT-HF	900 \pm 25%	100	0.80	150	50	10
CMF2012D102PT-HF	1000 \pm 25%	100	0.80	150	50	10

1. Operating temperature range : -40°C~85°C(Including self - temperature rise)
2. Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.)
3. Rated Current (Irms)

Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)

● SPECIFICATION TABLE:

CMF3216 Series

Part No.	Common Mode Impedance(Ω)	Test Frequency (MHz)	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M Ω) Min.
CMF3216D900PT-HF	90 \pm 25%	100	0.30	370	50	10
CMF3216D161PT-HF	160 \pm 25%	100	0.40	340	50	10
CMF3216D261PT-HF	260 \pm 25%	100	0.50	310	50	10
CMF3216D601PT-HF	600 \pm 25%	100	0.80	260	50	10
CMF3216D102PT-HF	1000 \pm 25%	100	1.00	230	50	10
CMF3216D222PT-HF	2200 \pm 25%	100	1.20	200	50	10

CMF4532 Series

Part No.	Common Mode Impedance(Ω)	Test Frequency (MHz)	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M Ω) Min.
CMF4532D331PT-HF	330 \pm 25%	100	0.11	1100	50	10
CMF4532D601PT-HF	600 \pm 25%	100	0.12	1000	50	10
CMF4532D801PT-HF	800 \pm 25%	100	0.16	900	50	10

1. Operating temperature range : -40 $^{\circ}$ C ~ 85 $^{\circ}$ C (Including self - temperature rise)
2. Storage temperature range (packaging conditions): -10 $^{\circ}$ C ~ +40 $^{\circ}$ C and RH 70% (Max.)
3. Rated Current (Irms)

Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)

