

CHIP TYPE LC COMPOUND EMI FILTERS [LCF20 · LCF41 Series]

The LCF20 · LCF41 Series are LC compound EMI filters with a monolithic structure, which are ideal for high-speed digital signal lines.

■ Features

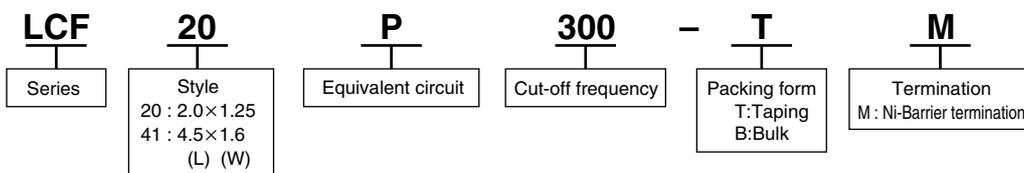
- LC compound EMI chip filter with a monolithic structure and π type circuit formation.
- The sharp damping characteristic ensures a large insertion loss characteristic up to the radio frequency band.
- Absence of specific direction permits easy handling.
- Nickel and tin plated barrier terminations offer good solderability and resistance to soldering heat.
- RoHS Compliant.

■ Applications

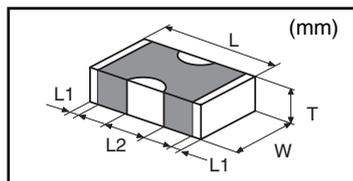
- Noise control for the digital video signal line in TV, DVD, VTR, and DSC
- Noise control for the signal line in personal computer, FAX, modem, and game equipment



■ Part Number System

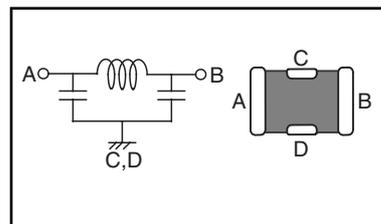


■ Dimensions



Type	L	W	T	L1	L2
LCF20	2.0±0.2	1.25±0.2	0.8±0.2	0.3±0.2	0.6±0.1
			1.0±0.2		
LCF41	4.5±0.3	1.6±0.3	1.0±0.3	0.5±0.3	1.4±0.3

■ Equivalent circuit



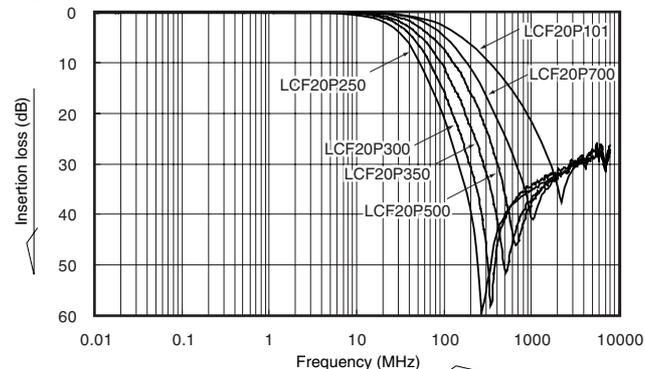
■ Part Number List • Specifications

Part number	Cut-off frequency	Rated current	Rated voltage	IR	Temp. range	T type
LCF20P250-□M	25 MHz	100mA DC	5V DC	10MΩmin.	-40~+85°C	1.0
LCF20P300-□M	30 MHz					
LCF20P350-□M	35 MHz					
LCF20P500-□M	50 MHz					0.8
LCF20P700-□M	70 MHz					
LCF20P101-□M	100 MHz					
LCF41P060-□M	6 MHz					

□ : "T" stands for taping package and "B" stands for bulk package.

■ Insertion loss (Reference)

LCF20 TYPE



LCF41P060

