

# SIFERRIT Materials

## 1 Material application survey

Usage	Frequency range	Material	Specific application	Type	
High Q inductors in resonant circuits and filters	up to 0,1 MHz	N 48	Filters in telephony, MW IF filters	Gapped P and RM cores, adjusting cores, TT/PR	
	0,2 – 1,6 MHz	M 33			
	1,5 – 12 MHz	K 1			
	6 – 30 MHz	K 12	VHF filters		
	up to 100 MHz	U 17			
Line attenuation	up to 2 MHz	M 13	Balun transformers	Ring cores, double-aperture cores	
		K 10			
Broadband transformers (e.g. antenna transformers for MW, SW, VHF, TV) ISDN transformers, digital data transformers (xDSL), current-compensated interference suppression chokes	up to 3 MHz	T 46	ISDN transformers	Ring cores	
		T 42	Impedance and matching transformers	RM, P, ER, EP, ring cores	
		T 38			
			T 37	Current-compensated chokes	Ring cores, DE cores
			T 35		RM, P, ring, DE
			T 65		P, ring cores, TT/PR, EP
	up to 5 MHz	N 30	Current-compensated chokes	Ring cores, double-aperture cores	
		N 26	Radio-frequency transformers		
	up to 10 MHz	M 33			
	up to 250 MHz	K 1			
K 12					
up to 400 MHz	U 17				
Sensors, ID systems	up to 1 MHz	N 22	Inductive proximity switches	P core halves	
	up to 2 MHz	M 33			
	up to 100 MHz	FPC			