



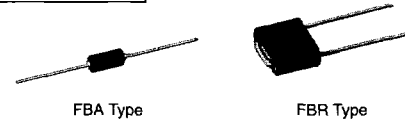
LEADED EMC COMPONENTS

FERRITE BEADS

AXIAL AND RADIAL LEAD

Part Number	Impedance Ω min	DC Resistance (Ω) max	Rated Current (A) max	Dimensions in./(mm)	
				W, øD	L max
FBA03 ■■■ -00	35	0.01	7.0	.098±.008 (2.5±0.2)	.177±.0012 (4.5±0.3)
FBA04 ■■■ -00	45-90			.138±.008 (3.5±0.2)	1.77~.354 (4.9~9.0)
FBR06 ■■■ -00	85, 120			.236±.020 (6.0±0.5)	.197, .276 (5.0~7.0)
FBR07 ■■■ -00	85, 120			.295±.020 (7.5±0.5)	.217, .295 (5.5~7.5)

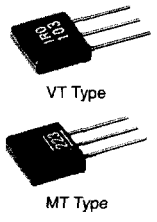
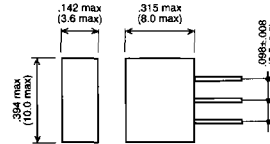
Part Numbering System	
■	: Material (MA, HA, VA)
■	: Impedance
■	: Packaging (BB= Ammo Pack)



EMI SUPPRESSION FILTERS

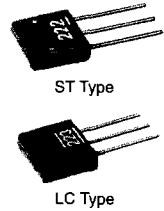
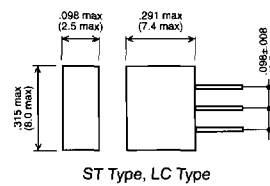
VT TYPE (VARISTOR AND CAPACITOR BUILT-IN TYPE)

Part Number	Capacitor's Parameter		Varistor's Parameter			Rated Current (A) max
	Temperature Charac.	Capacitance (pF) Typ	Circuit Voltage (V) max	Varistor Voltage (V)	Withstand Energy (J) max	
VTX103MB	Y5R	10000	AC24, AC32	51±20%	0.05	7.0
VTX223MB ■		22000	AC12, DC18	30±20%		
VTX333MB ■		33000	AC6, DC14	20±20%		



MT TYPE, ST TYPE (CAPACITOR BUILT-IN TYPE)

Part Number	Capacitor's Parameter				Rated Current (A) max
	Rated Voltage DC (V)	Temperature Charac.	Capacitance (pF)	Tolerance	
MTSL ■ KB ■	50	+350 -1000 ppm/°C	33, 47	±10%	7.0
MTB ■ KB ■		Y5P	270		
MTX ■ MB ■		Y5R	2200		
MTY ■ NB ■	25, 16	Y5S	10000, 22000	±30%	7.0
STSL ■ KB ■	50	+350 -1000 ppm/°C	22, 33, 47	±10%	
STB ■ KB ■		Y5P	100~1000		
STX ■ MB ■		Y5R	2200		±20%
STY ■ NB ■	16	Y5S	10000	±30%	7.0
STF ■ ZB ■	25, 50	Y5V	22000	+80/-20%	



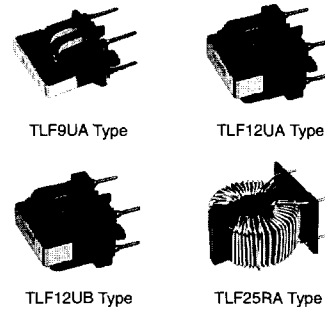
LC TYPE (COIL BUILT-IN TYPE)

Part Number	Cutoff Frequency (MHz)	Capacitor's Parameter			Inductor's Parameter			
		Rated Voltage DC (V)	Temp. Charac.	Capacitance (pF)	Tolerance	Inductance (μH)	Tolerance	Rated Current (A) max
LC ■ N- ■ ■	2.3	16	Y5S	10000	±30%	2.0	±20%	0.25
LC ■ M- ■ ■	20~30	50	Y5P	120~470	±20%	2.0~0.94		0.2~0.3
LC ■ K- ■ ■	50~100							+350 -1000 ppm/°C

Part Numbering System	
■	: Capacitance
■	: Packaging
■	: Inductance

COMMON MODE CHOKE COILS (AC LINE FILTERS)

Part Number	Inductance (mH)	DC Resistance (Ω) max	Rated Current (A) max	Rated Voltage (V) max	Withstand Voltage (V) min
TLF9UA ■ ■ W ■	1.0~10	0.5~4.5	0.23~0.8	AC 250	AC 2000
TLF12UA ■ ■ W ■	1.0~30	0.15~3.0	.04~2.0		
TLF12UB ■ ■ W ■	0.6~10	0.12~1.8	0.5~2.0		
TLF25RA ■ ■ W ■	1.0~10	0.05~0.17	2.5~9.0		



Part Numbering System	
■	: Horizontal winding, H Vertical winding
■	: Inductance (102 = 1mH)
■	: Rated Current (1R5 = 1.5A)