



# ENGINEERING KITS

PART NUMBER	KIT NAME	MATERIALS	DESCRIPTION	SUGGESTED FREQUENCY	APPLICATION
0199000005	Expanded Cable & Suppressor Kit	31, 43, 44, 46, 61	Contains a broad selection of suppression components suitable for application on round and flat cables.	1-1000+ MHz	EMI Suppression
0199000017	31 & 61 Material Snap-It Kit	31, 61	Contains a range of parts for different cable diameters. Suppressor selection is suitable for high frequency (61 mtrl) and low frequency (31 mtrl) applications.	1-1000 MHz EMI	Suppression
0199000018	Chip Bead Kit	Y, Z, H	Contains a selection of EIA size multi-layer chip impeders suitable for surface mount suppression of data and power lines.	25-1000+ MHz	EMI Suppression
0199000019	Shield Bead Kit	73, 43, 61	Contains a selection of suppression beads suitable for through hole suppression of data and power lines with inner diameters ranging from 0.5 to 5mm.	1-1000+ MHz EMI	Suppression
0199000024	Antenna/RFID Kit	78, 61, 67	Contains a range of rod sizes in low loss/high Q materials suitable for RFID, antennas and sensors.	78 mtrl < 300 kHz 61 mtrl < 20 MHz 67 mtrl < 50 MHz	Antenna/RFID
0199000025	Surface Mount Bead Kit	73, 43, 44, 61, 52	Contains an assortment of surface mount beads for differential and common-mode suppression applications.	73 mtrl < 50 MHz 43/44 mtrl for 25-300 MHz 52/61 mtrl for 250-1000 MHz	EMI Suppression
0199000027	Wound Bead Kit	44, 61	Contains high impedance broadband suppressors for through hole application.	44 mtrl < 200 MHz 61 mtrl > 100 MHz	EMI Suppression
0199000028	Bead on Lead Kit	73, 43, 61	Contains broadband suppressors for through hole applications.	73 mtrl < 50 MHz 43 mtrl for 25-300 MHz 61 mtrl for 250-1000 MHz	EMI Suppression
0199000050	31 Material Snap-It Kit REVAMP	31	Contains a range of clamp-on suppressors for round cables of 4 to 18mm diameter.	1-300 MHz EMI	Suppression
0199000031	43 Material Snap-It Kit	43	Contains a range of clamp-on suppressors for round cables of 6 to 15mm diameter.	25-300 MHz	EMI Suppression
0199000032	46 Material Core & Snap-It Kit	46	Contains a range of single piece and clamp-on suppressors for round cables of 5 to 12.7mm diameter in the economical 46 material.	30-300 MHz	EMI Suppression



# FAIR-RITE ENGINEERING KITS

PART NUMBER	KIT NAME	MATERIALS	DESCRIPTION	SUGGESTED FREQUENCY	APPLICATION
0199000051	61 Material Snap-It Kit REVAMP	61	Contains a range of clamp-on suppressors for round cables of 3.5 to 12.7mm diameter.	250-1000 MHz	EMI Suppression
0199000036	Multi-Aperture Core Kit	43, 73, 67, 61	Contains a selection of sizes and materials extensively used in broadband transformers and suppression applications.	1-1000 MHz	EMI Suppression
0199000038	Flat Cable Core Kit	43	Contains a selection of single piece and split core geometries for flat cables. All parts are of the 43 material for flat cable widths of 8 to 51mm.	25-500 MHz EMI	Suppression
0199000039	High Frequency Toroid Kit	68, 67, 61, 52	Contains a selection of popular toroid sizes in Fair-Rite's high frequency NiZn materials suitable for low loss requirements.	1-100+ MHz	EMI Suppression
0199000041	75 Material Snap-It Kit	75	Contains a range of clamp-on suppressors for round cables of 5.1 to 18.35mm diameter.	150 kHz to 10 MHz	EMI Suppression
0199000042	Signal Solution Kit	75, 31, 43/44, 61	Our flagship kit for Compliance labs. Contains our most popular Snap-Its in our 75 material, 43/44 material, 61 material—along with EMC reference guides.	75 mtrl- 150kHz-10 MHz 31 mtrl- 1 MHz-300 MHz 43/44 mtrl- 25 MHz-300 MHz 61 mtrl- 200 MHz-1 GHz	EMI Suppression
0199000043	Flexible Ferrite	M1, M2, M3, M4, M5, M6	Contains six material grades. The recommended operating temperature is -40° to +85°C and the typical thermal conductivity is 6 watt / m·°C.	100 kHz to 1 GHz	EMI Suppression
0199000044	High Frequency Mini Power Kit for 67 Material	67	Contains various sizes of toroids, EQ and I cores, optimized to operate in power applications.	5 MHz to 25 MHz	Power/ Inductive
0199000047	High Frequency Mini Power Kit for 79 Material	79	Contains various sizes of toroids, EQ and I cores; operating frequencies up to 1 MHz, optimized for minimal losses at elevated temperatures.	300 kHz to 1 MHz	Power/ Inductive
0199000048	High Frequency Mini Power Kit for 80 Material	80	Contains various sizes of toroids, EQ and I cores tuned to operate in SiC and GaN switching power supplies designs up to 5 MHz.	1-5 MHz	Power
0199000049	44 Material Snap-It Kit	44	Contains a selection of 44 material Snap-Its. 44 material is our recommended material for suppressing conducted EMI over the 25-300 MHz frequency range.	25-300 MHz	EMI Suppression