BLOUNT COUNTY AMATEUR RADIO CLUB

BCARC PROJECTS SERIES BALUN BUILD



OUR COAL The goal of this project is for each participant to leave with a set of baluns, ununs, and chokes that will form the foundation for future antenna experimentation. The units provided in this project will allow the deployment of a multitude of antenna configurations. Remember to have fun. Build as many or few as you want.













			MOR	EAB	OUT T	OROIDS
-errite ron o>	materia kide and MnZn	als are ce d general (mix 31, 7	ramic and fo ly either of tv 5, & 77) goo	all in two wo type d for co	o group: s: ommon	or mixes consisting of mode chokes
	NiZn (i	mix 43, 52	<mark>, 61) genera</mark> l	lly prefe	erred for	baluns/ununs
Mix #	NiZn (1 Material	nitial Permeability	, 61) general RFI/EMI Common Mode Suppression Range	Tuned Circuits – Coil	Wide Band Transformer	baluns/ununs
Mix # 31 (1)	MiZn (I Material MnZn	Initial Permeability 1500	, 61) general RFI/EMI Common Mode Suppression Range 1-300 MHz	Tuned Circuits – Coil	Wide Band Transformer 1:1 only, <300 MHz	baluns/ununs
Mix # 31 (1) 43 (2)	NíZn (r Material MnZn NiZn	nix 43, 52	, 61) general RFI/EMI Common Mode Suppression Range 1-300 MHz 25-300 MHz	Tuned Circuits – Coil – < 10 MHz	Wide Band Transformer 1:1 only, <300 MHz 3-60 MHz	baluns/ununs
Mix # 31 (1) 43 (2) 52 (6)	NiZn (r Material MnZn NiZn NiZn	nix 43, 52 Initial Permeability 1500 800 250	, 61) general RFI/EMI Common Mode Suppression Range 1-300 MHz 25-300 MHz 200-1000 MHz	Tuned Circuits – Coil < 10 MHz < 20 MHz	Wide Band Transformer 1:1 only, <300 MHz 3-60 MHz 1-60 MHz	baluns/ununs
Mix # 31 (1) 43 (2) 52 (6) 61 (3)	MiZn (f Material MnZn NiZn NiZn NiZn	Initial Permeability 1500 800 250 125	, 61) general RFI/EMI Common Mode Suppression Range 1-300 MHz 25-300 MHz 200-1000 MHz 200-1000 MHz	Tuned Circuits – Coil - < 10 MHz < 20 MHz < 100 MHz	Wide Band Transformer 1:1 only, <300 MHz 3-60 MHz 1-60 MHz 1-300 MHz	baluns/ununs
Mix # 31 (1) 43 (2) 52 (6) 61 (3) 73 (7)	MiZn (f Material MnZn NiZn NiZn NiZn NiZn MnzN	Initial Permeability 1500 800 250 125 2500 125	, 61) general RFI/EMI Common Mode Suppression Range 1-300 MHz 25-300 MHz 200-1000 MHz 200-1000 MHz < 50 MHz	Tuned Circuits – Coil < 10 MHz < 20 MHz < 100 MHz < 2 MHz	Wide Band Transformer 1:1 only, <300 MHz 3-60 MHz 1-60 MHz 1-300 MHz <10 MHz	baluns/ununs

















