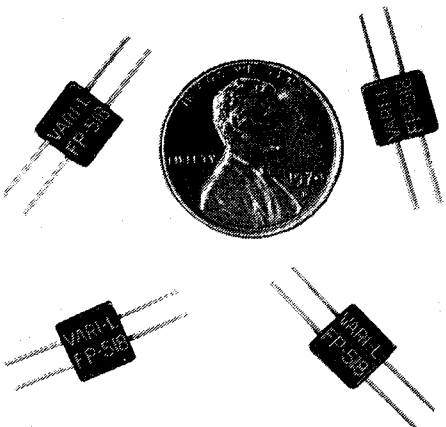




# RF/ PULSE TRANSFORMERS

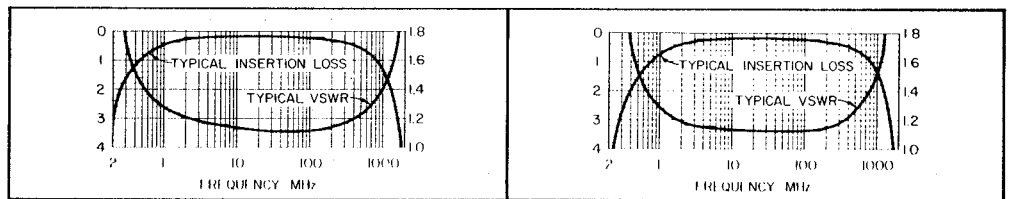
**SUBMINIATURE SIZE  
MIC SUBSTRATE COMPATIBLE  
DESIGNED TO MEET MIL-T-55631**



- 0.5 dB INSERTION LOSS
- UP TO 1.7 GHz BANDWIDTH
- 12.5 TO 600 OHM IMPEDANCE RANGE
- BALANCED AND UNBALANCED CONFIGURATIONS

Their small size, easily solderable or weldable planar ribbon leads, and high performance/high reliability design makes the FP Series transformers ideal for MIC substrate and conventional printed circuit applications.

### TYPICAL PERFORMANCE



### SPECIFICATIONS

MODEL	DESCRIPTION	GUARANTEED		TYPICAL		PACKAGE	SCHEMATIC	PRICE (1-9)
		-1 dB Bw MHz-MIN.**	MAX. VSWR 2-400 MHz	-3 dB Bw MHz-TYP.	TYP. VSWR -1 dB Bw			
FP-502	50 ohm unbal:12.5 ohm unbal	1-400	1.4:1	.25-600	1.3:1	Fig. E	Fig. C	
FP-504	50 ohm unbal:25 ohm unbal	1-500	1.4:1	.25-750	1.3:1	Fig. E	Fig. C	
FP-510	50 ohm unbal:50 ohm bal	.5-1000	1.3:1	.25-1700	1.5:1	Fig. E	Fig. D	
FP-512	50 ohm unbal:50 ohm unbal phase reversing DC isolated	1-1000	1.3:1	.25-1500	1.4:1	Fig. E	Fig. B	
FP-514	50 ohm unbal:75 ohm unbal	1-700	1.3:1	.25-1200	1.3:1	Fig. E	Fig. C	
FP-516	50 ohm unbal:100 ohm unbal	1-700	1.3:1	.25-1200	1.3:1	Fig. E	Fig. C	
FP-518	50 ohm unbal:200 ohm unbal	1-700	1.3:1	.25-1100	1.6:1	Fig. E	Fig. C	
FP-522	50 ohm unbal:200 ohm bal	1-750	1.3:1	.25-1500	1.5:1	Fig. F	Fig. A	

THE FOLLOWING MODELS ARE HIGHER IMPEDANCE AND COVER A REDUCED FREQUENCY RANGE.

FP-528	50 ohm unbal:200 ohm bal DC isolated, center-tapped	1-250	*1.3:1	.1-550	1.8:1	Fig. F	Fig. A	
FP-530	50 ohm unbal:450 ohm unbal	1-100	*1.3:1	.25-150	1.5:1	Fig. E	Fig. C	
FP-532	50 ohm unbal:600 ohm bal DC isolated, center-tapped	1-80	*1.3:1	.25-100	1.8:1	Fig. F	Fig. A	

Max. VSWR 1-50 MHz \*\*Response referenced to 0.5 dB midband insertion loss; i.e., 1.5 dB bandwidth.

### SCHEMATICS & PACKAGES (Specifications based on pins being externally grounded as shown.)

