FP-518/FP-530 Wideband RF/Pulse Transformers 1-750 MHz/1-100 MHz

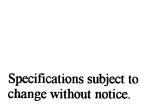




DESCRIPTION

Subminiature size, easily solderable or weldable planar ribbon leads and high performance design makes the FP transformer ideal for MIC substrate and printed circuits.

These transformers are high reliability devices designed to meet MIL-T-55631. Typical applications are: Interstage coupling, phase detection, voltage/current step up/step down and pulse transformation.



GUARANTEED MINIMUM PERFORMANCE DATA SPECIFICATIONS FOR MODEL FP-518

Type: 50 ohm i 200 ohm	unbalanced unbalanced	
- 1 dB Bandwidth, MHz		1-750
Midband insert VSWR	ion loss dB 1-400 MHz 400-750 MHz	
SPECIFICATION FP-530 Type: 50 ohm to	DNS FOR MODE	EL

450 ohm unbalanced - 1 dB Bandwidth, MHz 1-100 Midband insertion loss dB .50 VSWR 3-50 MHz 1.3:1

NOTE:

-1 dB bandwidth is measured relative to midband loss.

ABSOLUTE MAXIMUM RATINGS:

Input power *1 w. above 10 MHz, .25 w. below 10 MHz Temperature range - 54° to + 100°C

*Includes DC current effects by

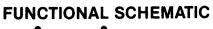
approx. $(I_{DC2} + I_{RF2})Z = Pmax.$

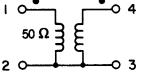
ENVIRONMENTAL CONDITIONS GUARANTEED ENVIRONMENTAL

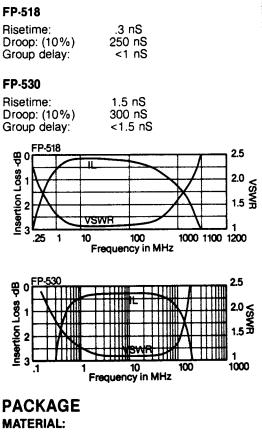
PERFORMANCE: All units are designed to meet their specifications over - 54°C to + 100°C and after exposure to any or all of the following tests per

MIL-STD-202E.		Test
Exposure	Method	Condition
Thermal Shock	107D	В
Altitude	105C	G
H.F. Vibration	204C	D
Mechanical Shock	213B	С
(15 minutes per axis)	214	lif
Solderability	208C	
Terminal Strength	211A	С
Resistance to		
Soldering Heat	210A	В

Sealed units, meet the requirements of Method 106D of MIL-STD-202E when exposed to humidity.





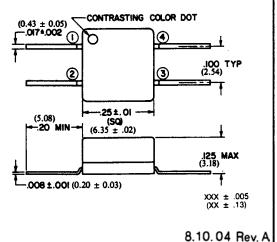


TYPICAL PERFORMANCE

Header: Glass filled epoxy Leads: Kovar per MIL-STD-1276, Type K

FINISH:

Header: Black epoxy Leads: Tin Plate per MIL-T-10727, Type 1



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