PEF-03A SERIES – PHASE SHIFTERS

Bandwidth

10% of fo

TECHNICAL FEATURE

FEATURES

- 500 to 1500 MHz
- Continuous 0° to 180° Adjustment

PRINCIPAL SPECIFICATIONS

Center

Frequency, f_o, MHz

500 - 1500

For complete Model Number replace *** with desired Center Frequency, fo in MHz.

1. The PEF series of high frequency, voltage controlled phase shifters combines the latest microstrip and lumped element technologies to provide very high performance in a space

2. With a center frequency of up to 1500 MHz, these units extend the frequency range of the long established PSEF

3. These phase shifters are suitable for systems requiring automatic phase control, closed loop networks and steering of

4. Merrimac Phase Shifters are designed for high reliability, and

can be supplied screened to meet military and space

series which cover the 10 to 500 MHz band.

electronically scanned antennas.

- Voltage Controlled
- Low Insertion Loss

Model

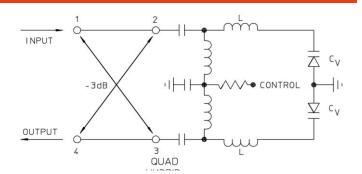
Number

PEF-03A-***B

General Notes:

saving package.

applications.

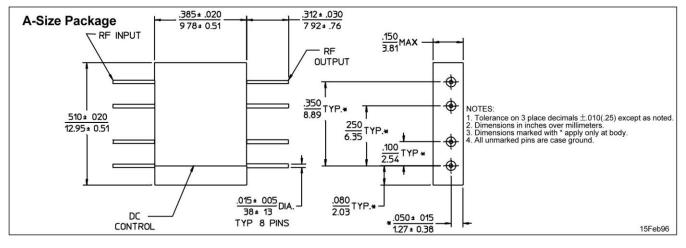


GENERAL SPECIFICATIONS

RF Characteristics	
Bandwidth:	10% min.
Phase Shift Range:	0 to 180 ^o min.
Impedance:	50 Ω nom.
VSWR:	2.0:1 max.
RF Input Level:	0 dBm max.
Insertion Loss:	
1000 - 2000	3 dB max.
500 - 1000	2 dB max.
Control Characteristics	
Control Voltage	0 to +30 VDC
Modulation Rate:	DC to 1% fo
General Characteristics	6
Phase Stability:	0.2° per °C
Weight, nominal:	0.09 oz. (2.5 g)
Operating Temp:	– 55° to +85°Č

AVAILABLE OPTIONS

Lower Frequencies: RF Bandwidth: Control: Down to 10 MHz in PSEF series only. Up to 20% of fo Negative polarity



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