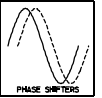


# PSEF-3E Series

# PHASE SHIFTERS

10 to 500 MHz / 0° to 180° / 10% Bandwidth / Voltage Controlled / Hi-Rel Flatpack



## PRINCIPAL SPECIFICATIONS

Model Number	Center Frequency, $f_0$ , MHz	Usable Bandwidth
PSEF-3E-***B	10 to 500	$f_0 \pm 5\%$

For complete Model Number replace \*\*\* with desired Center Frequency,  $f_0$  in MHz.

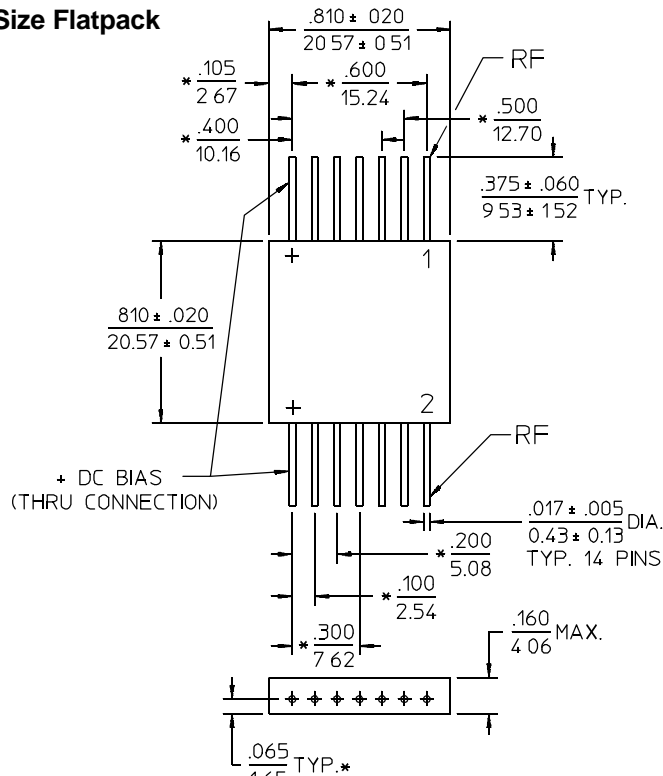
## GENERAL SPECIFICATIONS

Insertion Loss:	1.5 dB max.
Impedance:	50 $\Omega$ nom.
VSWR:	1.6:1 max.
Phase Shift Range:	180° min. @ $f_0$
Phase Stability:	0.1°/°C typ.
Control Voltage:	0.5 to +15V typ*.
Modulation Rate:	Varies with $f_0$
Input Power:	0 dBm max.**
Weight, nominal:	0.32 oz (9 g)
Operating Temp:	-55° to +85°C

\*For full control range. Maximum allowable is 30 V.

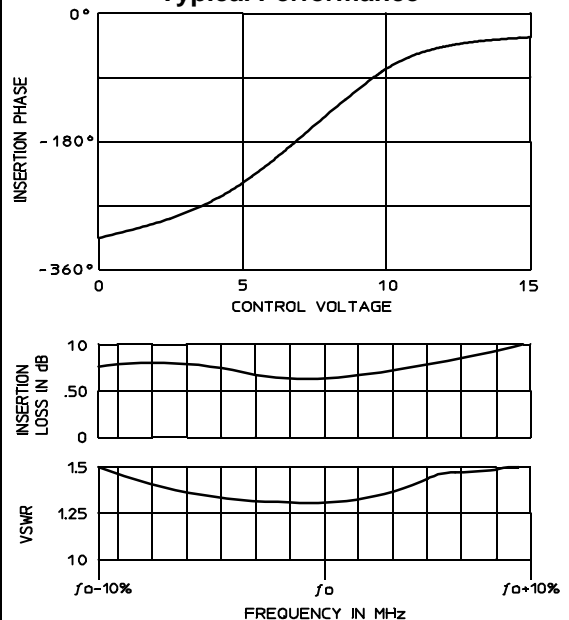
\*\*Unit may be operated at +10 dBm in reduced control range of 1.5 - 15 V. (30 V no damage.)

## E-Size Flatpack



- NOTES:
1. Tolerance on 3 place decimals  $\pm .010(.25)$  except as noted.
  2. Dimensions in inches over millimeters.
  3. Dimensions marked with \* apply only at body.
  4. All unmarked pins are case ground.

## Typical Performance



## General Notes:

1. The PSEF-3E series of phase shifters provides continuously variable phase shift across a range of 0° to 180° with the application of a control voltage of 0 to +15V. Similar phase shifters are available in a variety of other packages.
2. These units are designed for high reliability and can be supplied screened to meet specific military and space applications.

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