



**PLANAR
MONOLITHICS
INDUSTRIES, INC.**

**ISO 9001 : 2001
CERTIFIED**

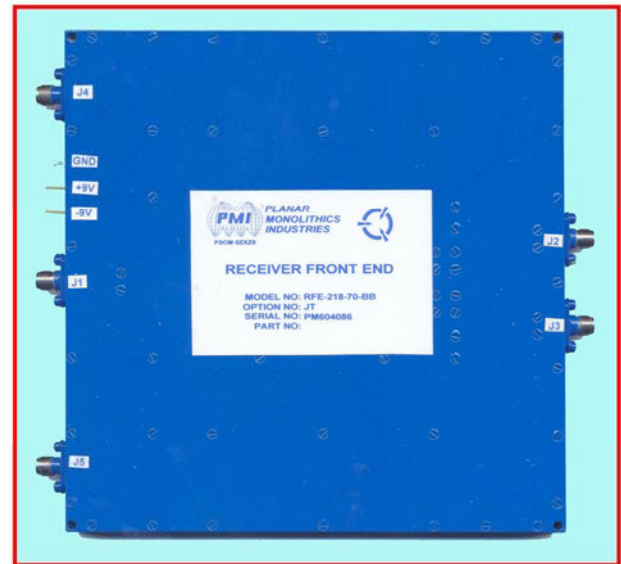
2.0 TO 18.0 GHz, DIRECTION FINDING RECEIVER FRONTEND

KEY FEATURES:

- 2.0 TO 18.0 GHz
- 65 dB MINIMUM DYNAMIC RANGE
- -63 dBm TSS

ELECTRICAL SPECIFICATIONS:

- | | |
|--|---------------------------------|
| ● FREQUENCY | : 2.0 TO 18.0 GHz |
| ● INPUT VSWR IN FREQUENCY RANGE | : 3.0:1 (MAXIMUM) |
| ● FREQUENCY FLATNESS OF DLVA OUTPUTS | : ±3.0 dB (MAXIMUM) |
| ● DYNAMIC RANGE | : -60 TO +5 dBm (MINIMUM) |
| ● RISE TIME | : 30 nSec (MAXIMUM) |
| ● RECOVERY TIME | : 350 nSec (MAXIMUM) |
| ● LOG SLOPE | : 50 mV/dB (±10%) |
| ● LOG LINEARITY | : ±2.25 dB (MAXIMUM) |
| ● TSS | : -63 dBm (MINIMUM) |
| ● TEMPERATURE STABILITY (-10° C TO +85° C) | : ±2.0 dB (MAXIMUM) |
| ● GAIN | : +3.0 dB (TYPICAL) |
| ● ISOLATION J2 TO J3 | : 24 dB (MINIMUM) |
| ● D.C. POWER +9 VDC | : 850 mA (MAXIMUM, NO RF INPUT) |
| ● D.C. POWER -9 VDC | : 300 mA (MAXIMUM) |



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Tel: 301-631-1579 • Fax: 301-662-2029 • Email: sales@planarmonolithics.com
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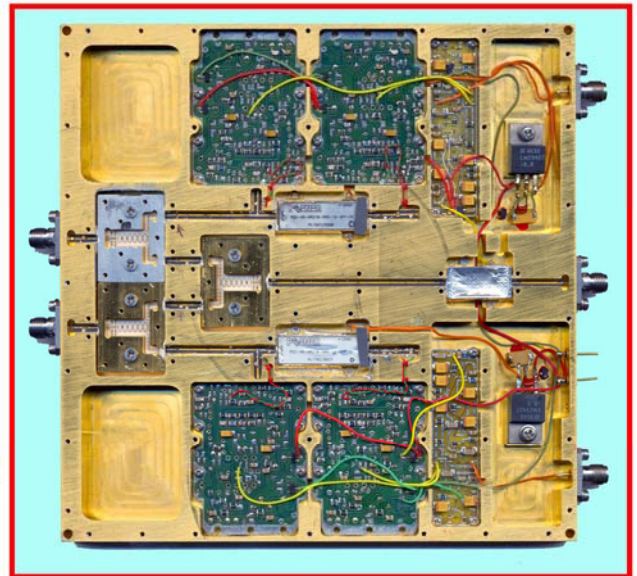
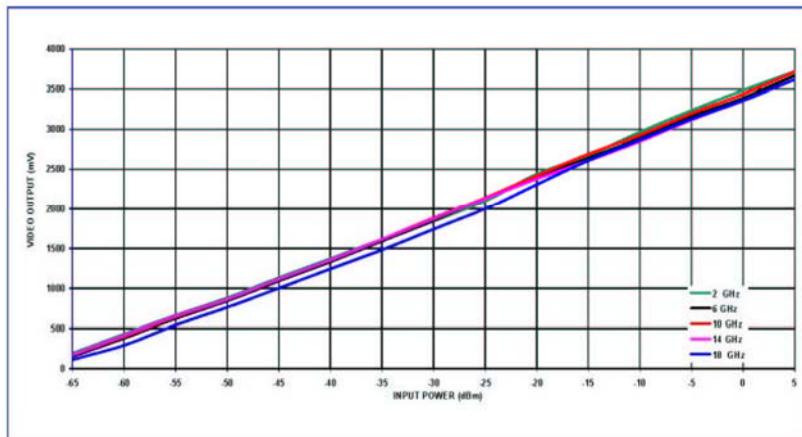
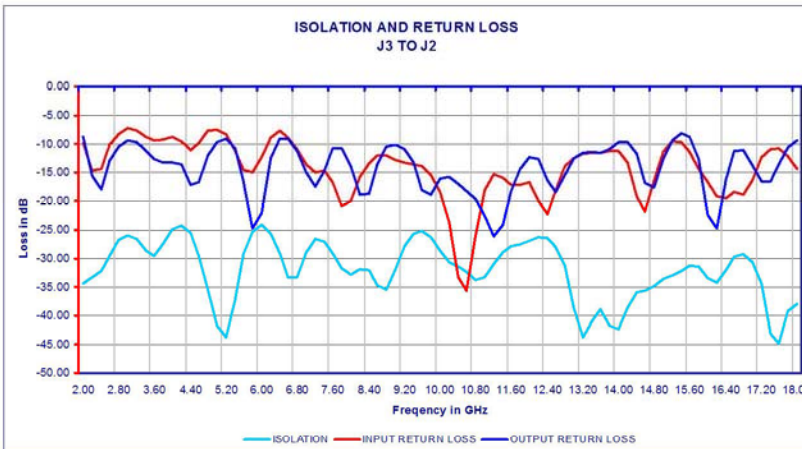
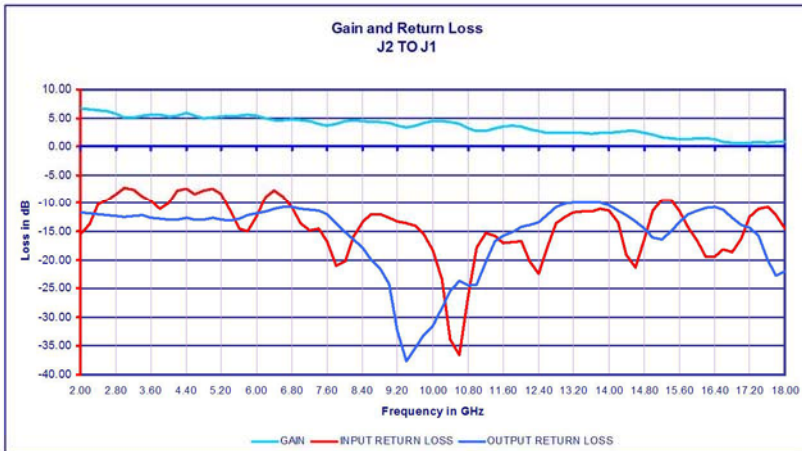
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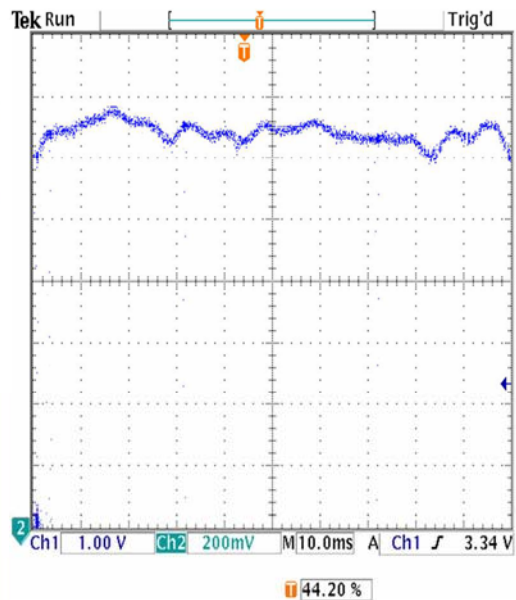
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FREQUENCY FLATNESS @ OUTPUT J5

RFE-218-70-BB S/N: 604086

J5 FREQUENCY FLATNESS @ - 20 dBm, + 25 C, 2 TO 18 GHz



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