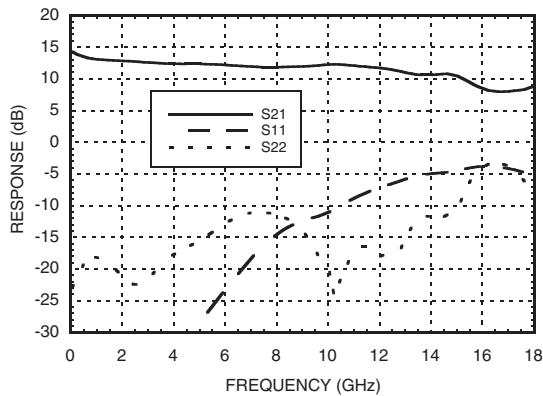
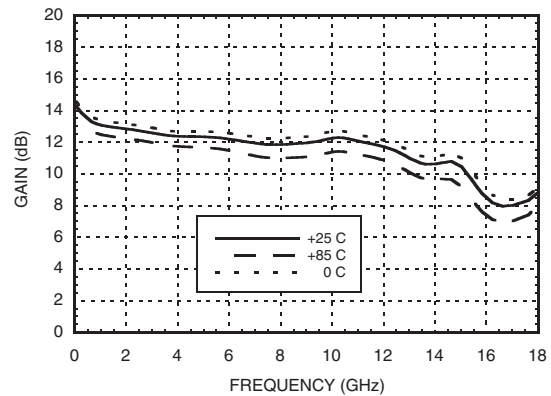


**WIDEBAND POWER AMPLIFIER
BENCHTOP MODULE, 0.01 - 15 GHz**

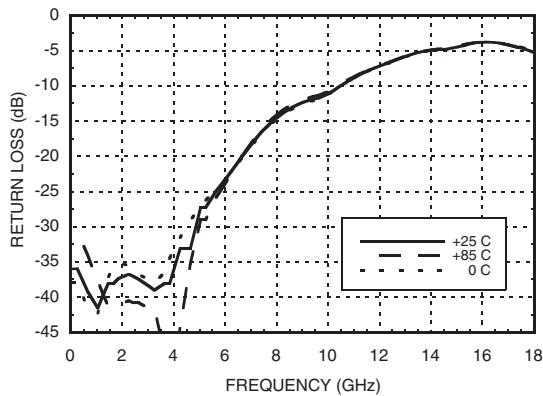
Gain & Return Loss



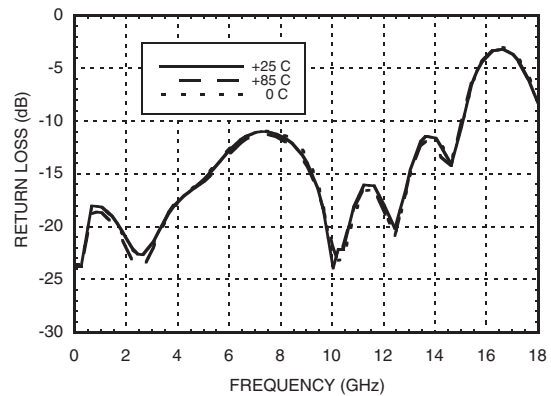
Gain vs. Temperature



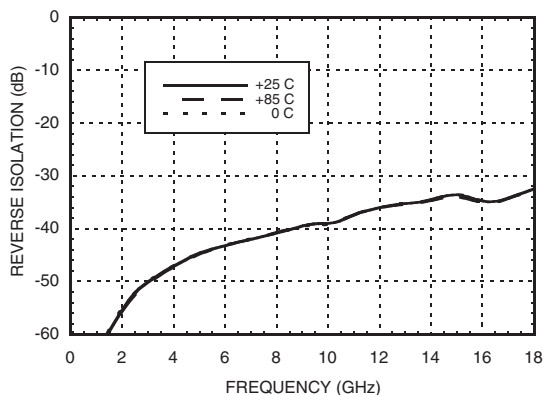
Input Return Loss vs. Temperature



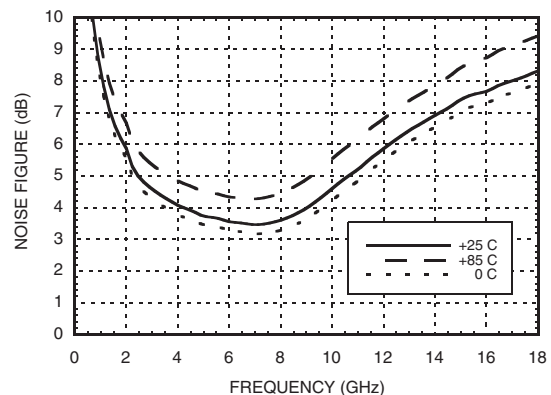
Output Return Loss vs. Temperature



Reverse Isolation vs. Temperature



Noise Figure vs. Temperature

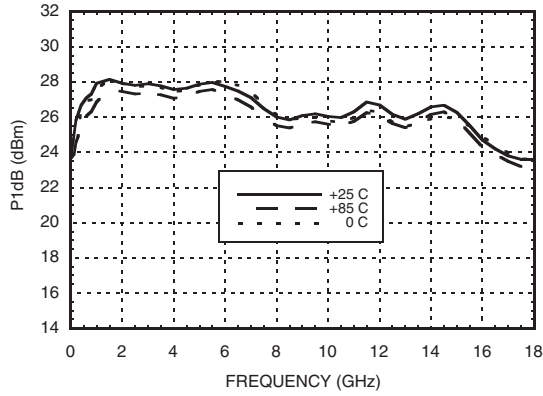


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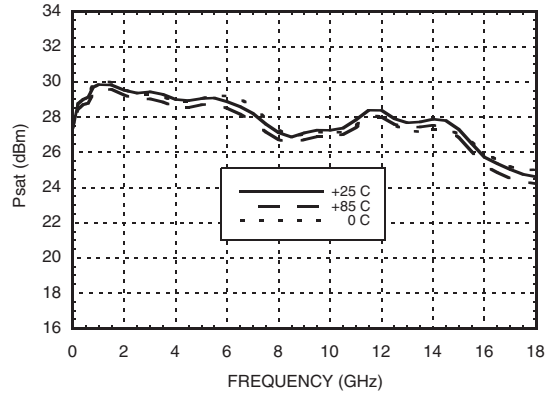
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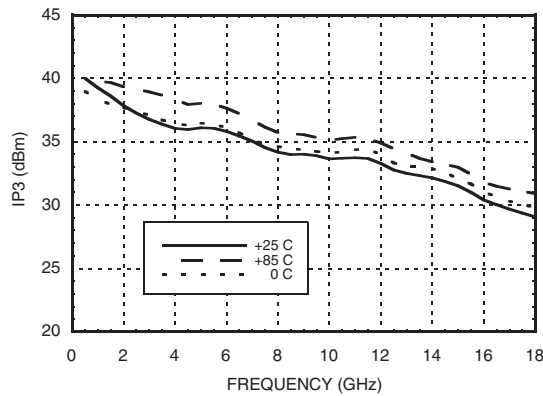
P1dB vs. Temperature



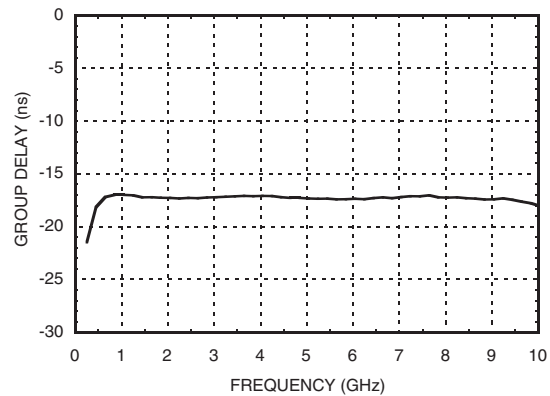
Psat vs. Temperature



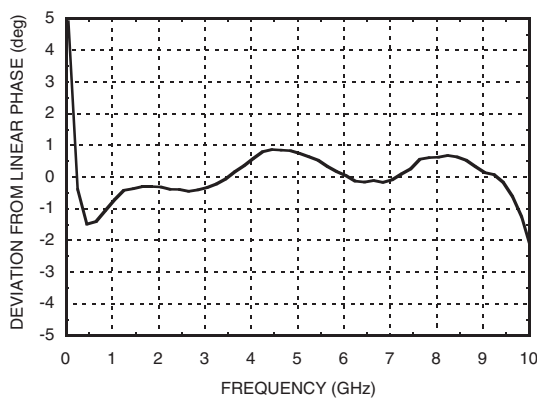
Output IP3 vs. Temperature



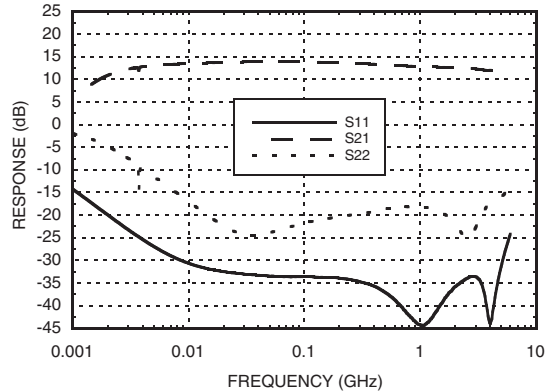
Group Delay



Deviation from Linear Phase



Low Frequency Gain & Return Loss



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WIDEBAND POWER AMPLIFIER BENCHTOP MODULE, 0.01 - 15 GHz

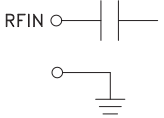
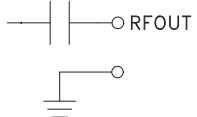
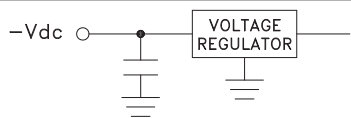

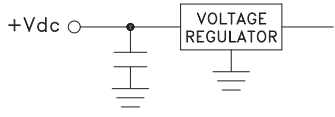
Absolute Maximum Ratings

Positive Bias Supply Voltage (+Vdc)	+17V Max
Negative Bias Supply (-Vdc)	-16V Min.
Maximum RF Input Power	
Peak	24 dBm
CW @ 0.01 - 6 GHz	22 dBm
CW @ 6 - 12 GHz	21 dBm
CW @ 12 - 20 GHz	18 dBm
Storage Temperature	-65 to +150 °C
Operating Temperature	0 to +85 °C



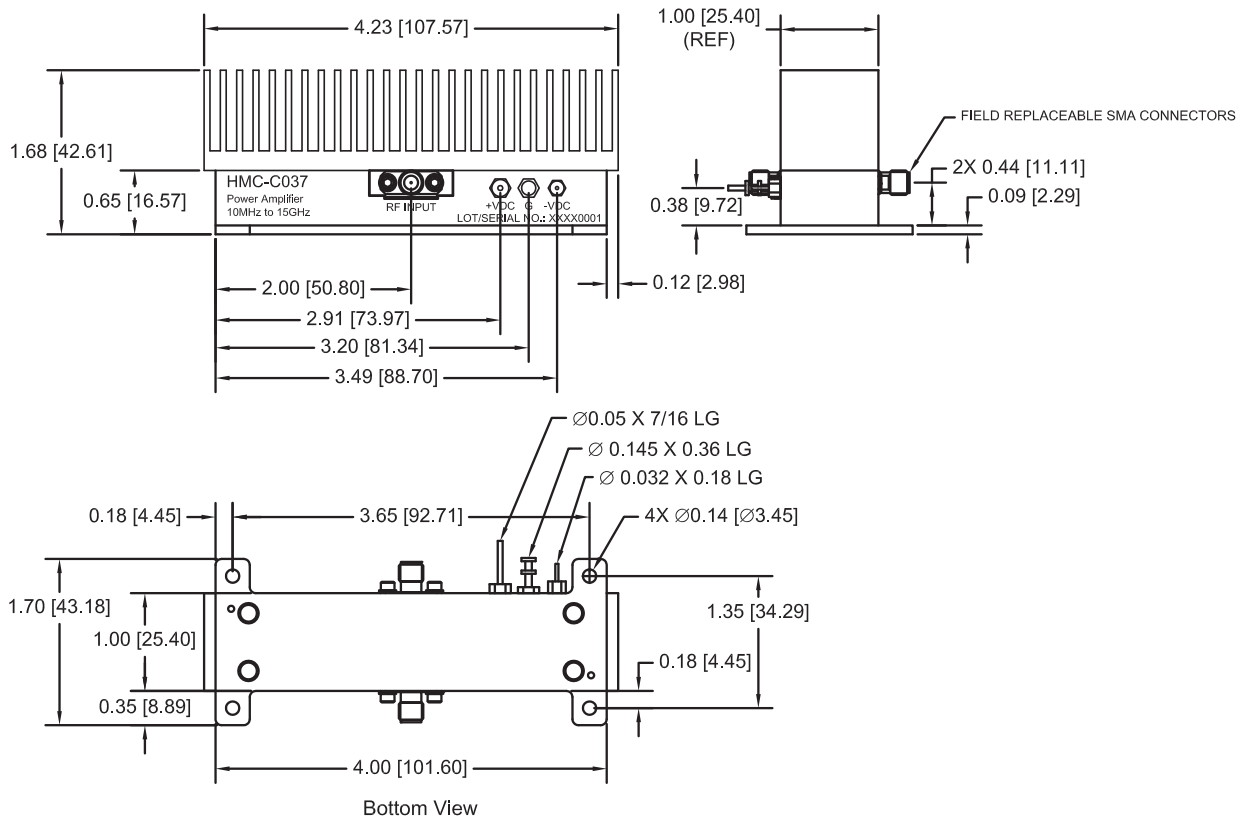
ELECTROSTATIC SENSITIVE DEVICE
OBSERVE HANDLING PRECAUTIONS

Pin Descriptions

Pin Number	Function	Description	Interface Schematic
1	RFIN & RF Ground	RF input connector, SMA female, field replaceable. This pin is AC coupled and matched to 50 Ohms.	
2	RFOUT & RF Ground	RF output connector, SMA female. This pin is AC coupled and matched to 50 Ohms.	
3	-Vdc	Negative power supply voltage for the amplifier	
4	GND	Power supply ground.	
5	+Vdc	Positive power supply voltage for the amplifier.	

**WIDEBAND POWER AMPLIFIER
BENCHTOP MODULE, 0.01 - 15 GHz**

Outline Drawing



Package Information

Package Type	C-12
Package Weight ^[1]	164.2 gms ^[2]
Spacer Weight	N/A

[1] Includes the connectors

[2] ±16 gms Tolerance

NOTES:

1. PACKAGE: ALUMINUM.
2. FINISH: (HEATSINK) ANODIZED, (HOUSING AND BASEPLATE): IRIDITE CHEMICAL FILM PER MIL-C-5541 CLASS C.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. TOLERANCES: ±0.010 [0.25] UNLESS OTHERWISE SPECIFIED

**WIDEBAND POWER AMPLIFIER
BENCHTOP MODULE, 0.01 - 15 GHz****Notes:**