

Description:

Part Number 27309920 (Model Number SC00066-06 Rev. C) is a 0.1 to 20.25 GHz low noise amplifier. This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range:.....0.1 to 20.25 GHz
Gain:.....19.5 dB Min, 23.5 dB Max
Gain Flatness:.....+/- 0.5 dB Min.
(Over any 500 MHz span over Full Band)
Noise Figure:.....6.0 dB Max (0.1 to 19 GHz)
6.5 dB Max (19 to 20.25 GHz).
Max Input Power:.....Without Damage: +20dBm
VSWR:.....Input - 2.5:1 Max.
Output - 2.0:1 Max.
Output IP3:.....+24 dBm Min.
OP1dB:.....+14 dBm Min.
Reverse Isolation:.....30 dB Min.
DC Voltage Supply:.....+15 VDC $\pm$ 5%
DC Current Draw:.....275 mA Max.
Connectors In/Out:.....SMA Female
Size:.....(L) 0.71" X (W) 0.64" X (H) 0.31"
Finish:.....Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -55°C to +85 Deg°C

Available Options:

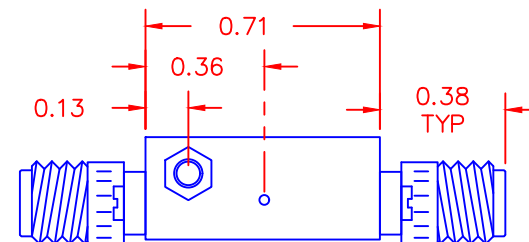
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

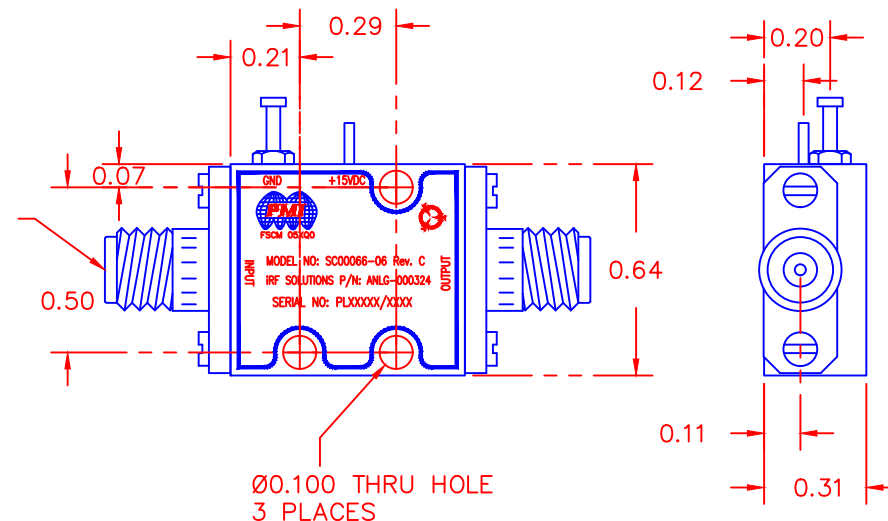
Temperature:.....-55°C to +85 Deg°C (Operating)
-65°C to +125 Deg°C(Storage)
Humidity:.....MIL-STD-202F, METHOD 103B COND B.
Shock:.....MIL-STD-202F, METHOD 213B COND B.
Altitude:.....MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	04/16/15	



FIELD REPLACEABLE
SMA (F), 2 PLACES



PMI CONFIDENTIAL AND PROPRIETARY

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		TITLE PRODUCT FEATURE SC00066-06 REV C				REV A1
APPROVALS	DATE					
DRAWN <i>VR</i>	04/16/15					
CHECKED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27009928		
ISSUED		SCALE N: S			SHEET 1 OF 1	

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX $\pm$ 0.020
X.XXX $\pm$ 0.010