

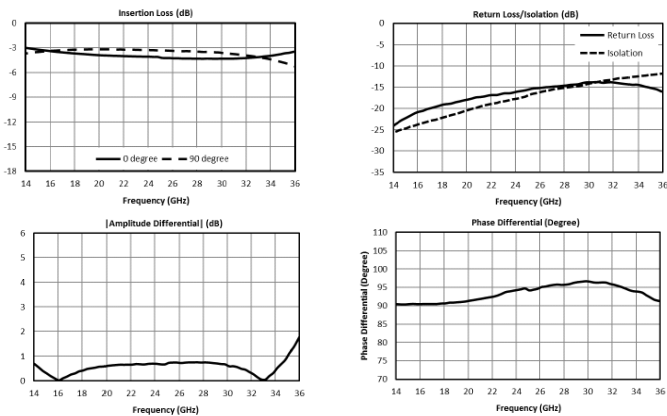
DESCRIPTION

PMI MODEL NO. QC-2931-292FF IS A 29.0 TO 31.0 GHz 90° HYBRID COUPLER

SPECIFICATIONS

- FREQUENCY RANGE:----- 29.0 TO 31.0 GHz
- NOMINAL COUPLING:----- 3.0 dB MAXIMUM
- INSERTION LOSS:----- 2.8 dB MAXIMUM
- VSWR : ----- 1.8:1 MAXIMUM
- AMPLITUDE BALANCE:----- ±1.2 dB MAXIMUM
- PHASE BALANCE: ----- ±10° MAXIMUM
- CONNECTORS (IN/OUT):----- 2.92 mm (F)
- SIZE: ----- 1.00" X 0.50" X 0.40"
- FINISH: ----- PAINTED BLUE

TYPICAL PERFORMANCE



ENVIRONMENTAL RATINGS

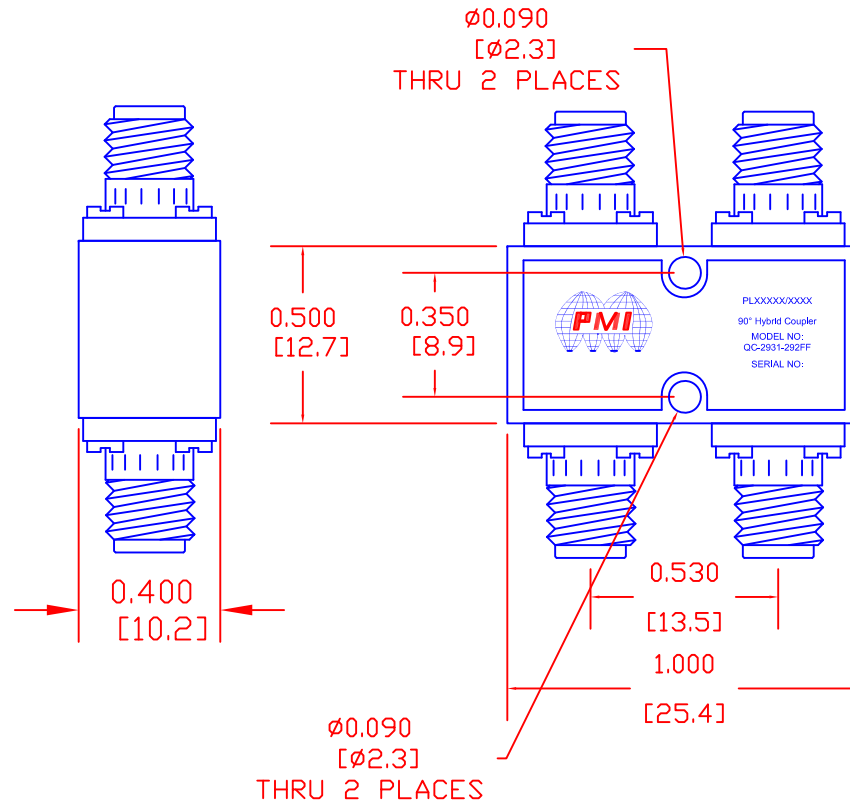
- TEMPERATURE:----- - 55°C TO +100°C (OPERATING/STORAGE)
- ALTITUDE: ----- 60,000 FT 1.0 psi MIN
- HUMIDITY: ----- 95% RH @ 40°C
- SHOCK: ----- 20G FOR 11msec HALF SINE WAVE, 3 AXIS BOTH DIRECTIONS

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/5/2019	
	1	UPDATED MODEL NUMBER	8/6/2019	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>JPH</i>		8/5/2019	PRODUCT FEATURE QC-2931-292FF		
CHECKED			SIZE A	FSM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1