DESCRIPTION

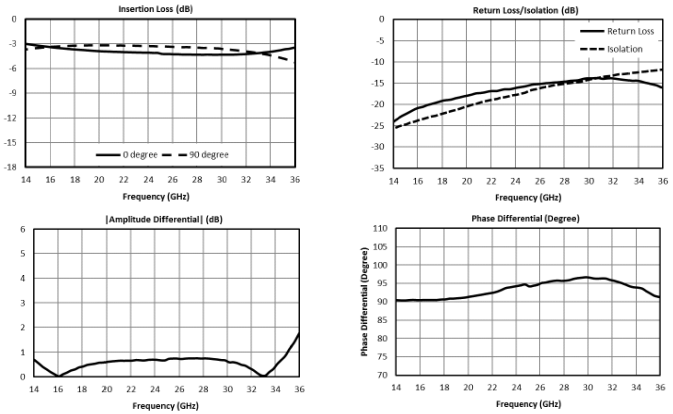
PMI MODEL NO. QC-2931-292FF IS A 29.0 TO 31.0 GHz 90° HYBRID COUPLER

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

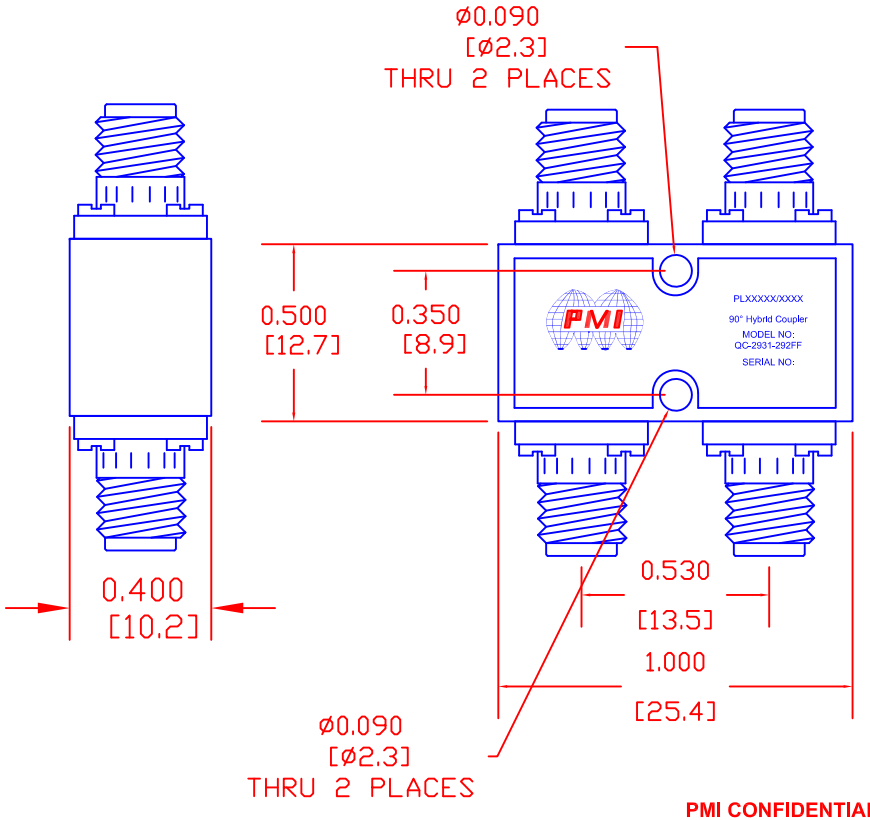
SPECIFICATIONS

- FREQUENCY RANGE:---------- 29.0 TO 31.0 GHz
- NOMINAL COUPLING:---------- 3.0 dB MAXIUMUM
- 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



MECHANICAL OUTLINE



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

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
DRAWN SPH	8/5/2019
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
QC-2931-292FF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	1

SCALE N:S SHEET 1 OF 1