DESCRIPTION

PMI MODEL: QC-1G18G-OPTION4518 IS A QUADRATURE HYBRID COUPLER THAT IS OPTIMIZED TO OPERATE OVER THE FREQUENCY RANGE OF 4.5 GHz TO 18.0 GHz. THIS MODEL PROVIDES LOW LOSS OF 2 dB AND AN ISOLATION OF 16 dB MINIMUM. THE VSWR IS 1,60;1 MAXIMUM WITH AN AMPLITUDE BALANCE OF ±0.9 dB MAXIMUM AND A PHASE BALANCE OF ±8° MAXIMUM. THIS COUPLER IS OUTFITTED WITH N-TYPE FEMALE CONNECTORS.

--- 5,67" x 1,60" x 1,25"

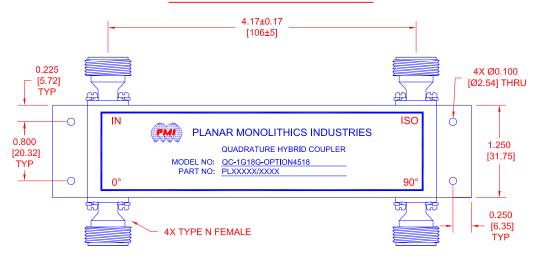
REVISIONS					
ZONE	REV.	DESCRIPTION	DATE	APPROVED	
	-	PRELIMINARY	12/22/15	<i>ያ</i> ዎ	

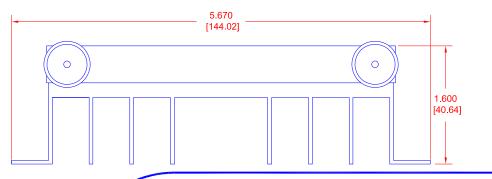
MECHANICAL OUTLINE

SPECIFICATIONS

* SIZE: -----

*	FREQUENCY RANGE:	 4.5 GHz TO 18.0 GHz
*	ISOLATION:	 16 dB MINIMUM
*	VSWR:	 1.60:1 MAXIMUM
	COUPLING:	O GD
*	INSERTION LOSS:	 2 dB MAXIMUM
*	INPUT POWER:	 300 W CW AVERAGE, 3 kW PEAK
*	AMPLITUDE BALANCE:	 ±0.9 dB MAXIMUM
*	PHASE BALANCE:	 ±8° MAXIMUM
*	CONNECTORS:	 N-TYPE FEMALE





ENVIRONMENTAL RATINGS

* TEMPERATURE: ----- -45 °C TO +75 °C (OPERATING) -65 °C TO +125 °C (STORAGE) HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B SHOCK: ----- MIL-STD-202, METHOD 213B COND, B VIBRATION: ----- MIL-STD-202, METHOD 204D COND, B ALTITUDE: ------- MIL-STD-202, METHOD 105C COND. B TEMPERATURE CYCLE: ------ MIL-STD-202, METHOD 107D COND. A

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

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PRODUCT FEATURE APPROVALS DATE QC-1G18G-OPTION4518 M. Berry 12/22/15 ESCM NO **PRELIMINARY** 05XQ0 SCALE N:S 1 OF 1 SHEET

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY