

Q3XP-180-5000-SMA

SMA 3dB (180°) HYBRID COUPLER

REV 1.0.0



APPLICATIONS

- Signal Splitting/Combining
- Antenna beam-forming networks
- Balanced Amplifier Circuit
- Analog Phase Shifters
- Dividers/Combiners

FEATURES

- Low insertion loss
- Low VSWR
- Rugged Housing
- High performance SMA connectors
- RoHS compliant product

SPECIFICATIONS

TABLE 1: TYPICAL SPECIFICATIONS*

FREQ (MHz)	POWER (W)	PART NUMBER	INSERTION LOSS (dB)	AMPLITUDE BALANCE (dB)	ISOLATION (dB)	VSWR	PHASE DIFFERENCE	PHASE BALANCE	OPERATING TEMP (°C)
2000-8000	50	Q3XP-10000R-SMA	≤ 1.6dB	≤ ± 0.8	≥ 18 dB	≤1.5:1	180 deg	≤ ± 9 deg	-40 to +80

* Units tested with small signal at 25°C. Specifications subject to change without notice.

† Specifications guaranteed when operated in a 50Ω system

MECHANICAL

Dimensions are *millimeters*
Tolerance: ±0.3mm

- Surface Finish: Black paint)
- Housing: 6061 Aluminum alloy
- Connectors: SMA stainless steel
- Weight: 0.11 Kg. (0.242 lb.)

