

340-960MHz RF Couplers for Public Safety

SC-xxU-PS

SYM's RF Coupler series is purpose-built for Public Safety communication systems operating in the UHF, 700, 800, and 900 MHz bands. Designed for high reliability and system stability, these couplers deliver accurate coupling values, low insertion loss, and excellent power handling to ensure optimal signal distribution throughout mission-critical in-building networks.

- 340-960MHz (UHF/700/800/900MHz) for Public Safety
- Precision coupling with superior electrical performance
- Wide selection of coupling values
- Low insertion loss and high-power handling
- IP65 Outdoor Rated
- N-Female Connectors
- ROHS Compliant

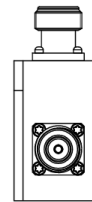
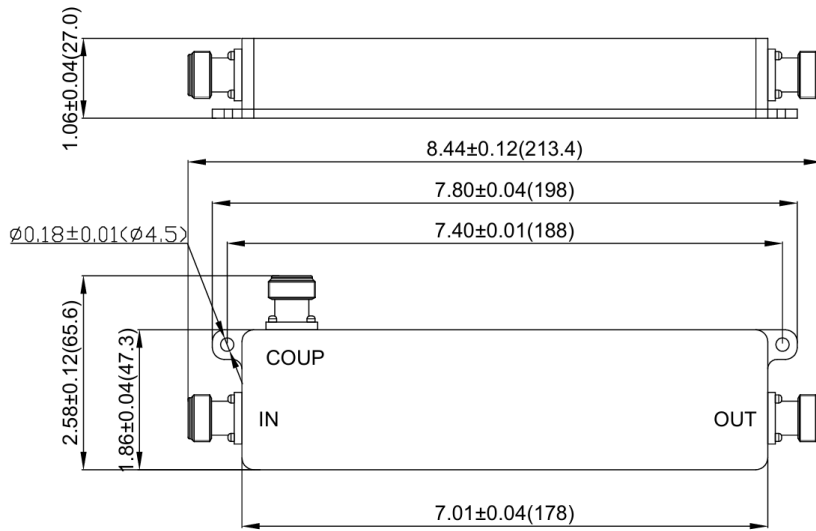


Parameter	Specifications								
Model	SC-05U-PS	SC-06U-PS	SC-07U-PS	SC-08U-PS	SC-10U-PS	SC-13U-PS	SC-15U-PS	SC-20U-PS	SC-30U-PS
Coupling Value	5	6	7	8	10	13	15	20	30
Main Insertion Loss [dB]	2.2 max.	1.8 max.	1.4 max.	1.2 max.	0.8 max.	0.5 max.	0.4 max.	0.3 max.	0.3 max.
Coupling Tolerance [dB]	±1.3	±1.3	±1.3	±1.5	±1.5	±1.5	±1.5	±1.7	±1.8
Input Port VSWR	1.25:1								
PIM [dBc]	-153 @700/800MHz Uplink								
Power Rating [W]	300 Avg. (800 Peak)								
IP Rating	IP65								
Operating Temp. [°F]	-31 to +167								
RF Connector	N Female								
Size (WxHxD)	7.01" x 1.86" x 1.06"								
Weight [lb]	1.3								

* Specifications are subject to change without prior notification.

Rev.0

Mechanical Drawing



Inch [mm]