

Wideband Directional Couplers

SC-XX-60

SYM's SC-XX-60 Series of Directional Couplers comes in a slim tapered design with minimal reflections or loss. Comes in a wide range of coupling values making it very useful in optimizing the power distribution required in passive in-building deployments. The wide-band range allows use with multi-band antennas, leaky cable systems and wireless base stations.

- 600-6000 MHz
- Low PIM Rated
- 300 W Power Rating
- IP67 Rated
- 4.3-10 Connectors
- ROHS Compliant



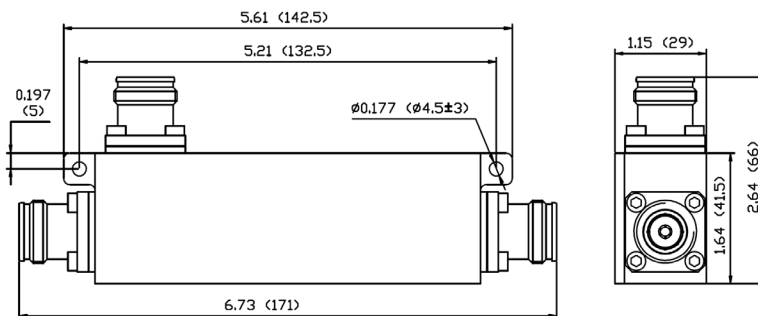
Parameter		Specifications								
Model		SC-05-60	SC-06-60	SC-07-60	SC-08-60	SC-10-60	SC-13-60	SC-15-60	SC-20-60	SC-30-60
Main Output Port I.L. [dB]	600-698 MHz	≤ 1.75	≤ 1.40	≤ 1.05	≤ 0.90	≤ 0.55	≤ 0.40	≤ 0.30	≤ 0.15	≤ 0.05
	698-960 MHz	≤ 1.90	≤ 1.50	≤ 1.22	≤ 1.09	≤ 0.70	≤ 0.45	≤ 0.35	≤ 0.25	≤ 0.10
	1695-2200 MHz	≤ 1.90	≤ 1.50	≤ 1.15	≤ 0.95	≤ 0.65	≤ 0.40	≤ 0.30	≤ 0.20	≤ 0.05
	2200-2690 MHz	≤ 1.90	≤ 1.50	≤ 1.22	≤ 1.09	≤ 0.70	≤ 0.45	≤ 0.35	≤ 0.25	≤ 0.10
	3100-3700 MHz	≤ 1.90	≤ 1.50	≤ 1.15	≤ 0.95	≤ 0.60	≤ 0.40	≤ 0.30	≤ 0.20	≤ 0.05
	3700-4200 MHz	≤ 1.90	≤ 1.50	≤ 1.22	≤ 1.05	≤ 0.65	≤ 0.45	≤ 0.35	≤ 0.25	≤ 0.10
	5150-6000 MHz	≤ 1.90	≤ 1.50	≤ 1.22	≤ 1.09	≤ 0.70	≤ 0.45	≤ 0.35	≤ 0.25	≤ 0.10
Coupling Port I.L. [dB]		5 ± 1.3	6 ± 1.3	7 ± 1.4	8 ± 1.4	10 ± 1.4	13 ± 1.5	15 ± 1.5	20 ± 1.55	30 ± 1.7
Isolation [dB]	600-2700 MHz	≥ 25	≥ 26	≥ 27	≥ 28	≥ 30	≥ 33	≥ 35	≥ 38	≥ 48
	2700-3800 MHz	≥ 22	≥ 23	≥ 24	≥ 25	≥ 27	≥ 30	≥ 32	≥ 36	≥ 46
	3800-4800 MHz	≥ 20	≥ 21	≥ 22	≥ 23	≥ 25	≥ 28	≥ 30	≥ 34	≥ 44
	4800-6000 MHz	≥ 17	≥ 18	≥ 19	≥ 20	≥ 25	≥ 22	≥ 27	≥ 30	≥ 40
VSWR		1.3 @ 600-2700 MHz, 1.35 @ 2700-6000 MHz								
PIM [dBc]		-161								
Power Rating [W]		300								
IP Rating		IP67								
Operating Temp. [°F]		-22 to +167								
RF Connector		4.3-10 Female								
Size (WxHxD)		4.8" x 1.64" x 1.15" (SC-30-60's Size: 4.8" x 1.71" x 1.15")								
Weight [lb]		0.88								

* Specifications are subject to change without prior notification.

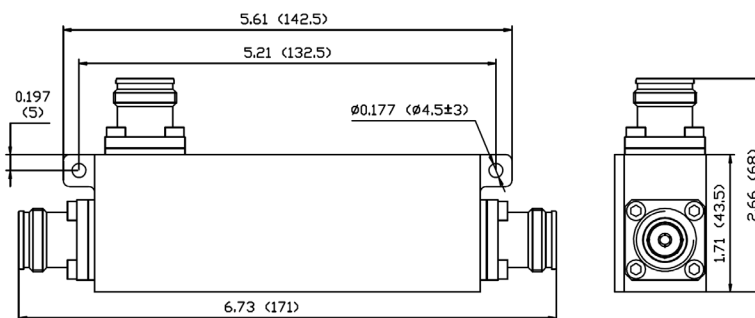
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Mechanical Drawing



SC-05-60/ SC-06-60/ SC-07-60/ SC-08-60/ SC-10-60/ SC-13-60/ SC-15-60/SC-20-60



SC-30-60

Inch [mm]