

Wideband RF Tappers

ST-XX-60

SYM's RF Tapper Series unevenly splits high power cellular signals in fixed ratio of 100:1 allowing monitoring of signals without disconnecting the network and with minimal reflections or loss.

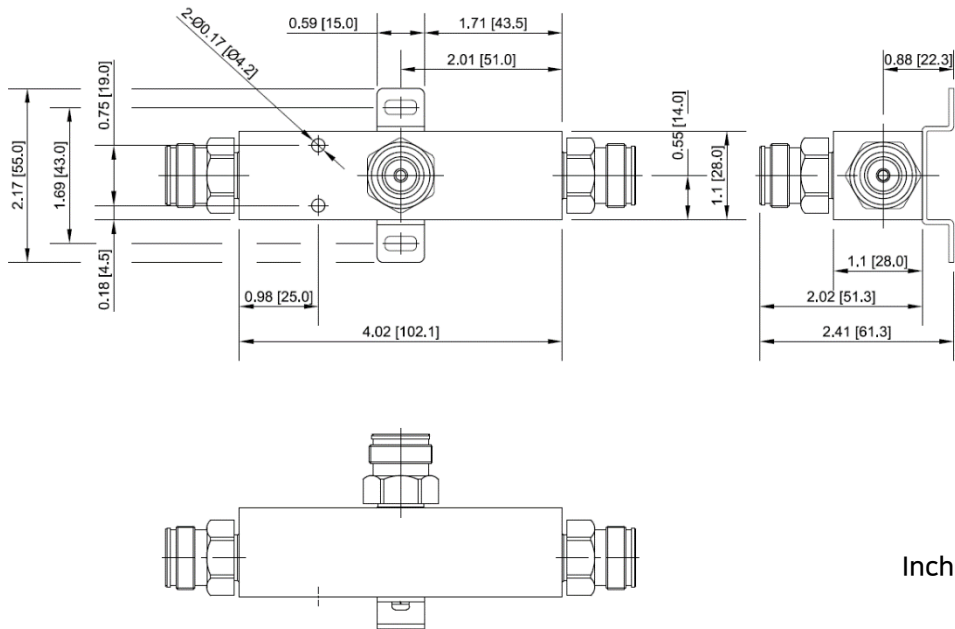
- 340-520, 617-960, 1710-2700, 3450-4500 & 4900-6000 MHz
- Low PIM Rated
- 300 W Power Rating
- IP67 Outdoor Rated
- 4.3-10 Connectors
- ROHS Compliant



Parameter		Specifications							
Model		ST-03-60	ST-05-60	ST-06-60	ST-08-60	ST-10-60	ST-13-60	ST-15-60	ST-20-60
Power Ratio		2:1 /3dB	3:1/ 4.8dB	4:1 /6dB	6:1 /8dB	10:1 /10dB	20:1 /13dB	30:1 /15dB	100:1 /20dB
Main Line Insertion Loss [dB]		-1.9	-1.4	-1.1	-0.8	-0.5	-0.3	-0.2	-0.1
Branch Line Insertion Loss + (Coupling Variance Loss) [dB]		-4.8 + table	-6.1 + table	-7.0 + table	-8.5 + table	-10.5 + table	-13 + table	-15.3 + table	-20.1 + table
Branch Coupling Variance Table	340-520MHz	+0/-1.3	+0/-0.9	+0/-0.9	+0/-0.9	+0/-0.8	+0/-0.8	+0.7/0	+0.3/-0.5
	617-960MHz	+0/-0.8	+0.2/-0.5	+0.2/-0.5	+0.2/-0.5	+0.5/-0.4	+0.2/-0.5	+0.8/0	+0.1/-0.8
	1710-2700MHz	+0.4/-0.5	+0.4/-0.2	+0.5/-0.2	+0.7/-0.4	+0.8/0	+0.6/-0.2	+1.3/0	+0/-1.7
	3450-3500MHz	+0/-2.6	+0/-2.3	+0/-2.2	+0/-2.2	+0/-2.3	+0/-2.1	+0/-1.1	+2.6/-0
	3500-4500MHz	+0.2/-2.3	+0.3/-1.8	+0.5/-1.8	+0.3/-1.8	+0.7/-1.8	+0.4/-1.8	+1.1/-0.9	+2.2/-0.6
	4900-6000MHz	+0.3/-1.0	+0.3/-0.5	+0.5/-0.5	+0.3/-0.5	+1.1/-0.2	+0.8/-0.4	+1.4/-0.1	+0/-3.9
Input Port VSWR	0.7-0.96, 1.71-2.5GHz	1.3:1	1.25:1	1.2:1	1.2:1	1.2:1	1.2:1	1.2:1	1.2:1
	340-700MHz, 2.5-2.7, 3.45-4.5, 4.9-6 GHz	1.5:1	1.4:1	1.35:1	1.35:1	1.35:1	1.35:1	1.35:1	1.35:1
PIM [dBc]		-161							
Power Rating [W]		300							
IP Rating		IP67							
Operating Temp. [°F]		-22 to +167							
RF Connector		4.3-10 Female							
Size (WxHxD)		4.02" x 1.1" x 1.1"							
Weight [lb]		0.73							

* Specifications are subject to change without prior notification.

Mechanical Drawing



Inch [mm]