

## Model THC0635U

Technical Data Sheet			
Frequency Range	0.6~3.5GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	6.02dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤4.2dB	Housing	Aluminum, 6061 T6
Isolation	≥15dB		Clear Chem Conversion Film
Amplitude Balance	≤±1.6dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±12°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.70:1	Operating Temperature	-20~+85°C
<sup>1</sup> Power Handling	Average ≤30Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	
Port Connectors	SMA-Female		

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.

**Table 1: Output magnitude with 4 identical input signals at A,B,C and D**

Output	Value (dB)
ΣAZ	-5
ΔEL	<-15
ΔAZ	<-15
ΔQ	<-15

**Table 2: Phase Offset for each port in reference to normalized A to ΣAZ.**

	ΣAZ	ΔEL	ΔAZ	ΔQ
Phase Offset for Input A	0	-90	180	90
Phase Offset for Input B	0	-90	0	-90
Phase Offset for Input C	0	90	180	-90
Phase Offset for Input D	0	90	0	90

**Table 3: Isolation at A,B,C and D.**

	A	B	C	D
A	X	ISO	ISO	ISO
B	ISO	X	ISO	ISO
C	ISO	ISO	X	ISO
D	ISO	ISO	ISO	X



