

LOW POWER TV TRANSMITTER COMBINER STAR POINT CONNECTION

TCTV-A Series

- **Visual power up to 10 KW PS**
- **Optional Dual Directional Couplers**
- **Low Group Delay**
- **Good Return Loss**

Fiplex' Star Point class of "Low Power UHF TV Transmitter Combiners" are branching devices used to combine up to four TV channel on a single antenna port.

Additional channels can be added, by using an **Insertion Unit Filter** in series with the Star Point four channel combiner.

The bandwidth and group delay fulfill the FCC and CCIR requirements. TCTV-A Series utilize carefully designed high Q Band Pass are combine cavities, that shows a very good thermal stability and low Insertion Loss.

A dual directional coupler can be also supplied as an option to measure direct and reflected signal to and from antenna. This directional coupler provides with a dc voltage for direct signal and a another dc voltage for the reflected one.

Mounting Frame is provided with thermal converted paint. Standard color is Raal 7032. Other colors are available upon request.



3 channels TV combiner
Star Point design

ELECTRICAL SPECIFICATIONS		
Frequency	470 – 806 MHz	
Max. Power	See table below	
Insertion Loss, Pass Channel	3 Chs : 0.45 dB	4 Chs : 0.60 dB
Isolation between input channels	30 dB	
Channel Guard	1 channel	
Impedance	50 Ohms	
Connectors	See table below	
Return Loss	20 dB min (VSWR 1.22:1)	

UHF CANNELS			
Frequency range Model Designation Power per channel P.S. Connector Input Connector Antenna	470 – 566 TCTVxxU1B0-A 300 W N(f) ; DIN 71/6 N(f) ; DIN 71/6	566 – 698 TCTVxxU2B0-A 300 W N(f) ; DIN 71/6 N(f) ; DIN 71/6	698 – 806 TCTVxxU3B0-A 300 W N(f) ; DIN 71/6 N(f) ; DIN 71/6
Frequency range Model Designation Power per channel P.S. Connector Input Connector Antenna	470 – 566 TCTVxxU1C0-A 1 KW EIA7/8 EIA7/8	470 – 566 TCTVxxU2C0-A 1 KW EIA7/8 EIA7/8	470 – 566 TCTVxxU3C0-A 1 KW EIA7/8 EIA7/8
Frequency range Model Designation Power per channel P.S. Connector Input Connector Antenna	470 – 566 TCTVxxU1D0-A 5 KW EIA 1 5/8 EIA 1 5/8	470 – 566 TCTVxxU2D0-A 5 KW EIA 1 5/8 EIA 1 5/8	470 – 566 TCTVxxU3D0-A 5 KW EIA 1 5/8 EIA 1 5/8
Frequency range Model Designation Power per channel P.S. Connector Input Connector Antenna	470 – 566 TCTVxxU1E0-A 10 KW EIA 3 1/8 EIA 3 1/8	470 – 566 TCTVxxU2E0-A 10 KW EIA 3 1/8 EIA 3 1/8	470 – 566 TCTVxxU3E0-A 10 KW EIA 3 1/8 EIA 3 1/8

Note: "xx" indicate the number of channels combined