

## Couplers

### Product Description

These couplers are useful for monitoring and measuring power levels from antennas and different points in a communication system. They can satisfy almost any requirement for sampling incident microwave power conveniently and accurately with minimal disturbance. Features include: reliable, cost effective, light weight, durable construction, quick and easy installation.

### Technical Specifications

Model:	TA-342 012 00	TA-342 013 00	TA-342 011 01
Product Type:	7 dB Coupler	10 dB Coupler	15 dB Coupler

### Electrical Specifications

Frequency: (MHz)	800 – 2500		
Insertion loss thru port: (dB)	1.4	0.7	0.5
Coupling: (dB)	7 ±1	10 ±1	15 ±1
Dissipative Loss: (dB)	< 0.05 – 0.1		
Impedance: (Ohms)	50		
VSWR:	1.25:1		
Inter-modulation at 2*43 dBm Carrier: (dBc)	< - 140		
Max Power Per Input (Watts)	100		
Connector Type:	N (F)		
Isolation: (dB)	26	30	35
Weight: (grams / lbs)	200 / 0.44		
Operating Temperature:	-20°C to +60°C		
Dimensions: (L x W x H) (mm/in )	135 x 40 x 25 / 5.32 x 1.58 x 0.99		

Specifications subject to change without notice. Last updated: 2010.01.25.

### Product Image



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### Technical Specifications

Model:	TA-342 012 07	TA-342 012 10	TA-342 012 15	TA-342 012 30
Product Type:	7 dB Coupler	10 dB Coupler	15 dB Coupler	30 dB Coupler

### Electrical Specifications

Frequency: (MHz)	698 – 3500			
Insertion loss through port: (dB) max.	1.4	1	0.6	0.3
Coupling: (dB)	7 ±1	10 ±1	15 ±1	30 ±1
Dissipative Loss: (dB)	< 0.05 – 0.1			
Impedance: (Ohms)	50			
VSWR:	1.5:1			
Inter-modulation at 2*43 dBm carrier: (dBc)	< - 140 dBc			
Max Power Per Input: Watts)	100			
Connector:	N (F)			
Isolation: (dB)	25	30	30	40
Weight: (grams / lb )	350 / 0.77			
Operating Temperature :	-20°C to +60°C			
Dimensions: (L x W x H) (mm / in )	142 x 47.5 x 17.5 / 5.6 x 1.9 x 0.67		142 x 47.5 x 17.5 / 6 x 1.9 x 0.67	

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