

## ***TZM-50, 90, 150, 220, 450, 860*** **E-Z MATCH**

The TZM-Series E-Z Match is a 50-ohm matching device which can be installed permanently in a transmission line between the transmitter and the antenna.

A Dual-Pi network, consisting of two variable tuning capacitors and a matching coil, allows the E-Z Match to correct a VSWR mis-match of at least 2:1.

To correct a mis-match, an in-line RF wattmeter is placed in the transmission path between the transmitter and E-Z Match. The capacitors are tuned for maximum forward power and minimum reflected, and the wattmeter can then be removed.

Standard connectors are N-Male and N-Female to allow direct connection to a transmitter output. Any combination of N, UHF or 7-16 DIN (extra cost) can be installed on request.



**TZM - 150**



**TZM - 50**

SPECIFICATION	TZM - 50	TZM - 90	TZM - 150	TZM - 220	TZM - 450	TZM - 860
Frequency range (MHz)	30-42 or 42-54	88-108	118-174	216-250	400-512	800-960
Insertion loss	0.15 dB typ. / 0.45 dB at 2:1 mis-match					
Impedance	50 ohms					
VSWR (max)	1.3:1					
Input power (max)	400 watts					
Temperature	-30°C to +60°C					
Size (HWL) in. (cm)	1.625 x 3.75 x 3.75 (4.1 x 9.5 x 9.5)					1.25 x 1.5 x 4 (3.2 x 3.8 x 10.2)
Weight lb. (kg)	1 (0.45)					0.5 (0.2)
Connectors	Any combination of N, UHF, or 7-16 DIN					