

## T-8630 / T-8660 FERRITE ISOLATORS

Telewave Single and Dual Ferrite Isolators prevent intermodulation, and protect transmitters from high VSWR or mistuned filtering devices by providing a constant 50 ohm impedance. All Telewave isolators are manufactured and tested in our own plant to the highest quality standards.

These isolators handle up to 100 watts of power, with several different load options. All Telewave isolators include one or two removeable 35 watt loads in the basic configuration. Typical tuning range is up to  $\pm 4$  MHz from the original center frequency, and typical isolation is 35 dB for single, and 70 dB for dual.

NOTE: Isolators have limited bandwidth and tuning range. Each isolator is manufactured for a specific range and tuned to a specific frequency. Please specify the exact desired operating frequency and special load requirements with the order.

T-8630 Single Isolator



T-8660CM,  
Cavity-Mount Isolator



T-8660 Dual Isolator



Part Number	Description	Load(s) Included
T-8630	Single Isolator	(1) TWL-35
T-8630-60	Single Isolator	(1) TWL-60
T-8630CM	Cavity-Mount Single Isolator	(1) TWL-35
T-8660	Dual Isolator	(2) TWL-35
T-8660-60	Dual Isolator	(1) TWL-60 (1) TWL-35
T-8660CM	Cavity-Mount Dual Isolator	(2) TWL-35

Power Level (W)	Duty Cycle (%)
100	60
80	80
60	100

Duty Cycle in this context refers to active usage time. For example: Out of 10 minutes, 6 minutes of active transmission and 4 minutes of idle equates to 60% Duty Cycle

SPECIFICATIONS		T-8630	T-8660
Frequency band	806 - 960 MHz	Single	Dual
Tuning range (typ.)	$\pm 6$ MHz	35 dB / 30 dB	70 dB / 60 dB
Input power	See graph	0.4 dB	0.8 dB
VSWR (typ.)	1.25 : 1	See chart	See chart
Impedance	50 ohms	3 (1.4)	6 (2.7)
Connectors	N-Female	4 (1.8)	7 (3.2)
Temperature range	-22 to +140 °F -30 to +60 °C	4.5 x 4 x 2 (11.5 x 10 x 5)	6.5 x 4.5 x 2 (16.5 x 11.5 x 5)