

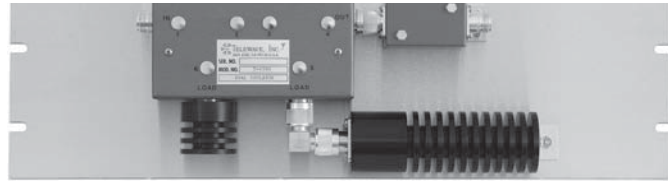
TS150, 450, 900 SERIES INTERMOD SUPPRESSION PANELS

Telewave Intermod Suppression Panels provide a simple, affordable, high-performance solution for cleaning up interference at congested radio sites, when a full combining system may not be cost-effective. In addition to controlling transmitter intermodulation, IM Panels also greatly reduce transmitter maintenance and expensive repairs by providing a constant 50 ohm load, protecting the transmitter from opens, shorts, or other faults in the antenna system.

Telewave IM Panels do not rely on any cables or other lossy interconnections, other than to the transmit chain. Each standard or custom panel includes one or more isolators with appropriate terminations, and a low-pass filter.

Each panel is factory-tuned to specific frequencies supplied with the order. All 150 watt units are field tunable by approximately ± 3 MHz, and include complete tuning instructions. No specialized equipment is required.

150 watt units ship with a 35 watt primary load, and a 50 watt termination on the antenna isolation (2nd) port. 300 and 400 watt units ship with a 100 watt second stage termination. Required center frequency and load requirements must be specified when ordering. Contact Telewave if additional information or assistance is required.



TS450PB1



TS150PB2-SP

COMMON SPECIFICATIONS

Tuning range (150 watt units only)	± 3 MHz
Impedance (nom.)	50 ohms
VSWR (max)	1.3:1
Harmonic attenuation (min)	60 dB
Connectors	N Female

MODEL	FREQ. RANGE	INPUT POWER	ISOLATION (dB)		INS. LOSS (dB)	PANEL HEIGHT	LOAD POWER
			TYP	MIN	TYP		
TS150PA1	118-174	100 W	38	30	0.6	5.25 in.	50 W
TS150PB1	118-174	100 W	75	60	0.9	5.25 in.	50 W
TS150PA2	118-174	300 W	30	21	0.7	8.75 in.	100 W
TS150PB2	118-174	300 W	60	42	1.0	8.75 in.	100 W
TS220PA1	216-250	100 W	38	30	0.6	5.25 in.	50 W
TS220PB1	216-250	100 W	75	60	0.9	5.25 in.	50 W
TS350PA1	300-400	150 W	38	30	0.6	5.25 in.	50 W
TS350PB1	300-400	150 W	75	60	0.9	5.25 in.	50 W
TS450PA1	400-512	150 W	38	30	0.5	5.25 in.	50 W
TS450PB1	400-512	150 W	75	60	0.8	5.25 in.	50 W
TS450PA2	440-475	400 W	38	30	0.6	8.75 in.	100 W
TS450PB2	440-475	400 W	75	60	0.9	8.75 in.	100 W
TS760PA1	734-806	150 W	38	30	0.6	5.25 in.	50 W
TS760PB1	734-806	150 W	75	60	0.6	5.25 in.	50 W
TS760PB2	734-806	300 W	75	60	0.9	8.75 in.	100 W
TS900PA1	806-960	150 W	38	30	0.6	5.25 in.	50 W
TS900PB1	806-960	150 W	75	60	0.9	5.25 in.	50 W
TS900PB2	806-960	300 W	75	60	0.9	8.75 in.	100 W