

TS150, 220, 350, 450, 760, 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 100 and 150 watt units are field tunable by approximately $\pm 3-6$ MHz depending on frequency, 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, and are not field tunable. 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 (100-150 W units only)	$\pm 3-6$ MHz (depending on freq.)
Impedance (nom.)	50 ohms
VSWR (max)	1.3:1
Harmonic attenuation (min)	60 dB
Connectors	N Female

MODEL	FREQ. RANGE	INPUT POWER	ISOLATION (dB) TYP	INS. MIN	LOSS (dB) TYP	PANEL HEIGHT	LOAD POWER
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	148-174	300 W	30	21	0.7	8.75 in.	100 W
TS150PB2	148-174	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	763-869	150 W	38	30	0.6	5.25 in.	50 W
TS760PB1	763-869	150 W	75	60	0.6	5.25 in.	50 W
TS760PB2	763-869	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